

Broadband noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0.25
19	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	0.38
27	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0.19
29	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0.19
32	0	1	0	0	1	1	1	1	0	1	0	0	1	1	1	1	0.63
34	0	1	0	0	1	1	1	0	0	0	0	0	1	1	0	1	0.44
Mean all loudspeakers	0.5	0.333	0.333	0	0.5	0.5	0.5	0.5	0	0.167	0	0.5	0.5	0.5	0.167	0.5	0.34 Grand Mean

1 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0.19
19	0	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0.56
27	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.13
29	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0.19
32	0	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0.50
34	0	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0.50
Mean all loudspeakers	0.5	0.5	0	0.167	0.5	0.5	0.5	0.167	0.167	0	0	0.5	0.5	0.5	0.5	0.5	0.34 Grand Mean

2 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0.25
19	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	0.63
27	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.13
29	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13
32	0	1	0	0	1	1	1	0	0	1	1	0	1	1	1	1	0.63
34	0	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0.75
Mean all loudspeakers	0.5	0.333	0.333	0	0.5	0.5	0.5	0.167	0.5	0.667	0.5	0.167	0.5	0.5	0.5	0.5	0.42 Grand Mean

4 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0.25
19	0	0	1	0	1	1	1	1	0	0	1	0	1	1	1	1	0.63
27	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.13
29	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0.25
32	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0.81
34	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0.81
Mean all loudspeakers	0.5	0.333	0.667	0.333	0.5	0.5	0.5	0.167	0.667	0.667	0.5	0.333	0.5	0.5	0.5	0.5	0.48 Grand Mean

1 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	all listeners
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

2 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	all listeners
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

4 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

Broadband noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

1 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

2 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

4 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

1 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

2 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

4 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

Broadband noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.06
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0.167	0	0	0	0	0	0	0	0	0	0	0	0.01 Grand Mean

1 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00 Grand Mean

2 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.06
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0	0	0	0	0	0	0	0.167	0	0	0	0	0	0	0	0	0.01 Grand Mean

4 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0.333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02 Grand Mean

Apparent elevation — Experiment 6**1 kHz low-pass noise, Normal, Motionless**

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-7.05	-1.85	0.24	35.31	-18.5	-18.1	83.73	23.68	36.98	1	36.41	15.79	-10.2	-26.9	0.78	4.56	9.74
13	-0.19	-23	12.85	14.55	-24	6.16	83.9	-9.88	18.29	-23.1	12.43	14.88	-22.9	-28	29.81	4.55	4.15
19	-13.5	-9.13	-15.2	9.29	-14	-7.15	62.74	44.17	12.76	-30.4	16.87	15.22	-5.85	-19	2.29	31.46	5.04
27	-11.8	3.19	30.42	14.98	-14.3	-7.61	86.24	15.41	21.01	-0.32	17.81	19.38	0.98	-28.7	19.42	14.19	11.27
29	-11.7	-5	14.3	26.17	3.49	-7.82	85.32	-16.3	41.59	-16.4	31.48	11.37	-3.61	12.6	14.82	26.13	12.90
32	-5.61	-27.5	-16.5	9.48	-29.6	-8.26	83.39	13.7	27.54	-7.48	40.47	13.01	-4.67	18.45	16.41	19.74	8.91
34	-2.04	-1.29	-2.25	9.87	-2.28	-9.52	43.2	0.52	36.74	-8.72	14.39	14.4	-6.96	-5.43	1.78	13.7	6.01

2 kHz low-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-7.8	-45.7	13.46	13.71	6.66	-22.9	58.15	35.87	13.98	-7.11	28.29	12.43	4.32	-6.28	15.55	3.61	7.27
13	-7.18	-6.36	-14.8	24.36	6.47	11.16	86.31	26.64	32.41	-22.3	-4.61	83.21	4.92	-30	12.93	-0.94	12.64
19	-25	-43.2	-11.6	6.68	-51.2	-6.97	43.9	45.5	22.9	-37	15.98	14.55	-5.12	-12.3	3.39	9.51	-1.87
27	-12.9	-38.5	-30.6	14.5	7.25	-5.66	58.65	60.46	29.62	-3.26	52.38	41.75	-7.4	-29.8	27.16	5.07	10.55
29	-24.5	-40.3	-1.11	15.51	-27.9	-17.7	71.71	15.94	57.94	-12.1	40.49	45.42	-6.39	-28.3	32.05	20.46	8.83
32	-3.3	-29.9	0.83	44	2.97	-13.6	59.02	55.53	30.66	-11.3	36.58	86.78	4.3	-9	14.93	25.16	18.35
34	6.6	-40.2	-1.29	5.55	-0.52	-18.8	82.27	28.05	45.57	-15.8	12.87	81.75	-11	-1.18	16.23	18.74	13.06

4 kHz low-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-4.14	-46.9	0.8	9.55	7.41	1.65	42.14	-0.51	29.02	-19.1	69.54	87.53	6.16	7.29	11.63	1.11	12.70
13	-5.78	-3.73	0.91	7.85	14.53	-1.15	43.24	7.27	13.74	-14.4	8.07	27.48	-5.45	-15.3	13.64	16.21	6.70
19	-11.8	-47.3	-0.17	3.55	4.11	1.11	58.61	16.59	11.05	-27.2	1.3	13.37	5.47	-24.6	2.65	-1.11	0.35
27	-13.2	-7.64	13.83	14.34	8.14	-14.1	58.94	10.52	14.33	-6.42	9.89	71.27	6.4	5.52	26.92	12.84	13.22
29	-1.81	15.52	13.89	15.07	17	-8.25	57.64	14.24	33.86	-14.7	20.35	13.85	6.33	12.13	59.58	17.54	17.02
32	-3.12	-43.2	-30	7.44	6.26	-0.78	72.93	11.84	14.62	-24.4	29.27	14.1	5.72	12.14	71.17	2.49	9.16
34	-9.51	-49.3	-15.1	10.4	2.46	7.91	42.54	13.15	12.05	-28.5	8.02	13.29	5.93	-9.62	12.14	-0.5	0.96

Broadband noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	0.97	0.78	84.84	53.73	54.59	-0.8	77.98	72.3	71.18	70.93	73.84	85.72	43.49	59.84	71.34	64.18	55.31
13	1.28	-1.03	0.97	8.58	-0.26	-7.92	7.7	80.17	15.12	-7.48	8.4	0.64	0.71	-0.38	-3.33	7.94	6.94
19	-0.42	22.65	0.74	-0.03	-5.5	6.38	15.45	43.34	14.35	-2.03	9.18	15.13	29.05	-17.8	-0.43	-2.31	7.98
27	1.07	13.62	14.49	27.53	21.33	7.52	23.11	77.04	47.84	23.5	16.74	43.3	14.91	29.02	28.74	15.72	25.34
29	15.72	68.58	58.57	48.89	57.95	6.66	84.83	57.49	64.36	53.9	71.31	78.66	26.6	60.29	58.16	70.38	55.15
32	3.87	58.64	29.27	46.79	72.1	-6.15	86.24	55.53	66.12	63.55	28.41	57.39	41.77	62.93	42.14	38.69	46.71
34	-5.59	13.32	43.48	17.42	23.62	-4.31	44.55	60.69	56.32	37.55	26.42	66.78	73.81	54.09	1.76	26.83	33.55

1 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	2.83	25.65	56.93	49.74	63.06	9.12	84.23	55.83	87.96	69	33.65	87.73	31.79	58.51	83.94	55.94	53.49
13	0.35	-0.57	1.27	8.95	-2.17	-8.27	10.71	41.31	14.92	-6.41	6.09	0.32	2.39	-3.77	9.23	11.34	5.36
19	-4.45	-0.75	-0.11	0.21	7.07	6.21	2.61	39.55	7.35	-5.88	-0.36	1.29	22.37	-20	2.47	0.06	3.60
27	6.37	17.05	27.8	23.07	21.93	10.53	23.02	60.44	43.1	22.12	17.62	29.47	19.4	14.56	29.8	12.62	23.68
29	6.69	24.42	85.43	44.68	51.79	15.85	55.76	31.3	42.35	58.03	75.21	78.3	36.4	58.49	71.87	71.16	50.48
32	14.14	25.99	56.24	11.57	68.35	6.62	75.28	49.37	68.54	63.62	38.37	45.85	58.84	57.88	52.43	35.82	45.56
34	3.53	16.3	57.13	12.63	3.1	-7.76	29.57	28.36	69.11	16.21	27.32	13.35	-12.8	33.21	25.42	25.02	21.23

2 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	13.06	18.08	44.55	49.39	60.7	14.72	44.26	74.44	70.01	57.78	30.24	55.97	23.73	40.87	64.2	67.48	45.59
13	1.32	0.66	0.9	5.06	-0.78	-7.7	9.31	34.89	15.61	-4.06	7.22	0.6	5.65	-1.26	2.66	2.89	4.56
19	1	2.18	14.6	3.96	3.83	10.99	13.1	55.85	6.37	2.01	11.9	14.59	16.45	-12.8	64.9	3.36	13.27
27	7.92	12.22	13.27	26.01	21.58	15.14	28.38	35.71	38.4	21.8	16.21	43.36	12.11	29.57	26.49	13.12	22.58
29	11.32	16.9	58.21	41.73	45.07	14.04	46.59	54.69	57.52	38.63	52.66	81.21	24.53	31.71	30.34	62.43	41.72
32	6.48	20.29	74.6	45.84	78.84	0.68	70.15	56.99	65.7	62.06	38.67	46.02	30.91	61.07	71.09	45.96	48.46
34	1.28	9.07	86.56	15.25	46.07	-0.24	45.11	62.95	86.73	15.68	15.84	28.9	9.17	21.03	23.73	26.78	30.87

4 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	16.35	9.77	72.46	46.64	55.87	18.42	59.32	63.37	75.58	56.83	47.05	45.03	28.68	18.49	67.81	2.14	42.74
13	-0.67	-0.22	12.35	5.87	-0.01	-3.43	12.22	54.3	16.18	-0.89	6.12	0.66	1.39	-2	2.71	2.97	6.72
19	6.73	2.37	58.55	5.97	3.51	14.92	14.45	32.68	74.6	-4.31	23.23	17.17	-6.28	73.15	16.62	-13.7	19.98
27	-0.81	8.94	27.77	23.94	17.33	13.41	32.09	62.56	37.7	25.34	22.43	30.75	10.87	19.19	29.19	14.09	23.42
29	26.39	4.71	31.34	46.94	45.26	29.11	74.03	62.26	41.48	62.82	42.19	87.68	25.76	30.2	58.36	74.58	46.44
32	29.02	-1.16	85.2	18.83	56.72	15.28	74.15	73.43	54.94	68.26	36.46	72.78	38.17	46.09	65.92	15	46.82
34	5.27	7.06	86	12.8	35.18	-0.48	45.88	52.23	77.41	20.67	28.53	47.9	19.11	78.49	27.86	13.06	34.81

1 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-12.2	30.15	-1.28	13.18	-13.1	-7.15	42.1	64.78	25.9	12.94	27.11	82.03	-3.86	26.62	28.04	30.02	21.58
13	-13.6	-13.7	12.83	17.3	-15	7.1	41.48	61.99	30.77	-23	13.06	12.2	-3.49	61.5	1.18	10.86	12.59
19	-8.32	53.62	-15.6	11.98	-1.78	1.41	68.65	45.07	27.91	0.69	1.18	15.81	-4.48	-0.16	1.78	3.81	12.60
27	-5.84	-11.6	11.52	38.18	-25.7	-6.7	54.66	59.64	27.45	-3.27	16.61	14.79	-4.31	7.33	1.33	9.06	11.45
29	-4.77	-0.64	30.16	9.33	7.39	6.56	68.74	34.74	4.08	-23.5	28.51	48.12	-0.25	-16.9	52.23	13.16	16.06
32	-8.14	-0.76	-0.58	9.83	-14.6	-20.8	46.18	33.17	17.38	-20.4	26.99	18	-0.26	39.71	41.93	16.53	11.51
34	-3.63	55.82	-15.3	9.6	-16.4	-6.92	45.25	67.28	25.38	-14.1	4.86	16.05	-3.15	25.54	1.27	23.95	13.47

2 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-11	28.38	-29.1	16.65	0.62	-8.57	45.07	13.26	29.51	1.08	41.17	87.63	9.04	0.91	13.26	18.66	16.04
13	-8.4	-0.13	13.52	15.14	2	8.3	41.52	-2.64	19.8	-1.94	32.32	16.13	2.92	-14.9	14.59	13.93	9.51
19	-7.01	72.88	-0.57	4.62	11.92	-6.32	72.16	23	3.52	2.26	2.44	72.44	4.3	-4.03	2.19	24.02	17.36
27	-7.34	-0.99	26.75	9.1	9.85	6.74	48.15	20.3	39.63	15.11	15.2	16.64	4.61	-0.6	28.05	19.16	15.65
29	0.38	6.95	14.18	6.24	-15	-19.6	47.59	49.78	30.15	50.09	33.94	83.84	2.13	-2.55	30.65	17.59	21.02
32	-6.51	-35.6	-15.4	7.86	-0.01	8.85	46.83	15.2	30.98	18.68	28.22	11.91	-5.52	9.12	25.6	17.58	9.86
34	-12.9	-27.7	-2	9.81	2.13	-31.3	44.89	-9.69	28.49	-15	14.21	11.68	-4.17	-15.9	3.34	16.82	0.80

4 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-5.1	1.26	1.89	6.05	-14.7	-14	55.09	8.14	14.8	6.3	49.64	28.42	8.42	-29.7	29.45	17.43	10.21
13	2.53	5.32	12.92	8.08	1.12	1.84	46.81	5.19	13.98	-7.48	13.86	14.79	6.36	-31.3	13.13	12.82	7.50
19	-7.27	73.5	-14.9	12.05	1.32	-1.56	42.01	25.78	3.49	23.19	-0.41	12.56	1.95	-31.1	14.17	17.67	10.78
27	2.22	4.47	1.75	17.06	0.92	13.58	39.15	19.62	26.08	16.04	19.47	3.47	4.92	-15.6	29.25	15.29	12.36
29	4.26	1.74	12.1	7	8.13	-6.86	48.64	8.84	29.59	1.47	15.77	13.67	2.9	-0.78	28.81	16.59	11.99
32	-5.56	-45.3	-29.2	12.9	-0.07	-0.95	45.6	21.04	14.42	-3.25	41.94	78.81	3.27	12.4	1.78	14.05	10.12
34	-24.2	8.18	-15.9	5.19	0.5	-7.89	40	-0.87	15.35	31.05	12.72	17.2	4.22	-29.2	-0.12	15.28	4.46

Broadband noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-5.73	-29.3	26.86	6.22	2.23	-5.26	64.29	10	78.39	48.62	26.03	11.27	11.29	-13.3	67.45	-0.43	18.67
13	1.25	14.53	69.13	12.42	1.12	-6.14	65.93	63.82	67.36	10.19	7.93	80.26	28.81	7.12	57.11	-6.17	29.67
19	-14.5	11.76	30.07	18.69	63.04	-0.05	46.11	19.32	70.14	27.94	-2.13	78.17	21.23	16.69	40.41	-1.38	26.59
27	7.24	14.65	83.92	10.52	12.06	-7.26	44.55	83.44	70.35	56	1.36	85.96	9.61	21.1	43.61	4.37	33.84
29	-1.53	0.37	77.37	29.95	47.12	-6.09	74.21	3.32	77.72	28.6	16	56.16	16.93	52.6	55.12	8.87	33.55
32	-1.79	-44	30.29	17.82	63.34	-8.7	68.78	3.88	67.53	68.2	12.83	77.57	36.47	17	70	-5.57	29.61
34	-4.13	59.73	58	11.68	52.55	-5.82	70.07	4.87	42.89	16.51	25.13	12.97	20.01	51.61	51.64	-11	28.54

1 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-7.68	-45.2	30.23	11.25	18.07	2.94	42.23	61.55	70.42	58.93	25.53	30.84	12.47	-1.81	45.44	3.13	22.40
13	-2.12	1.23	70.01	12.72	26.08	6.14	38.34	38.87	79.09	70.32	0.84	79.31	17.26	-14.4	41.96	-0.51	29.07
19	2.05	-45.2	29.88	9.13	54.23	0.84	49.28	22.01	75.29	22.77	-16.5	14.64	-14.6	-39.9	71.41	-5.56	14.36
27	-4.25	38.46	58.06	28.03	6.17	6.73	29.16	67.65	58.23	29.75	-6.34	87.1	12.49	-0.89	34.21	-1.64	27.68
29	1.77	-31.5	31.87	5.6	65.97	10.15	45.39	55.77	52.43	59.16	8.28	11.52	14.97	-45.5	70.21	3.98	22.51
32	2.31	-44.4	14.25	6.83	65.93	7.21	58.86	30.37	69.56	68.58	8.93	87.78	-13.2	38.92	52.8	1.77	28.53
34	2.87	74.66	43.58	4.07	67.84	0.42	61.47	12.98	54.95	19.32	7.21	69.92	-15.8	50.1	53.63	-2.48	31.55

2 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	1.25	9.84	27.47	42.06	43.63	1.83	18.11	35.47	53.29	65.17	0.64	15.77	5.73	0.01	56.37	1.31	23.62
13	1.07	9.96	34.04	21.58	21.45	6.61	24.69	53.61	79.92	34.28	-2.77	80.06	16.36	7.1	13.82	-0.69	25.07
19	-0.09	11.87	86.74	14	39.37	6.94	38.85	68.56	64.08	16.14	10.09	11.72	13.2	14.32	32.97	-2.86	26.62
27	2.1	16.28	28.19	5.33	12.33	5.78	18.94	53.3	61.11	31.14	-2.92	28.44	19.48	21.52	22.92	-0.1	20.24
29	4.97	14.94	29.91	13.19	60.54	5.39	26.44	40.24	72.99	30.78	3.29	15.27	19.09	21.77	29.75	2.87	24.46
32	0.22	13.55	10.95	12.76	66.2	13.48	47.62	79.74	69.38	73.19	4.21	14.94	9.89	12.84	28.57	0.2	28.61
34	2.43	64.33	27.24	7.71	50.32	6.91	44.83	63.82	63.6	76.26	7.92	79.48	10.27	22.33	28.29	-2.48	34.58

4 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	12.27	6.75	30.39	24.59	40.24	21.75	43.61	71.21	78.74	74.22	-2.86	16.18	5.4	16.11	42.62	-3.38	29.87
13	7.01	17.03	36.28	14.74	30.25	20.84	17.96	87.28	78.13	18.13	0.18	87.22	18.26	45.19	17.58	-3.12	30.81
19	12.25	14.02	60.51	20.77	32.18	9.2	34.83	74.24	76.86	6.74	-1.61	57.77	16.09	57.72	11.68	-3.8	29.97
27	4.29	16.04	74.35	7.66	15.18	10.13	19.04	74.34	81.01	45.71	-5.95	16.42	12.9	11.53	30.74	-6.14	25.45
29	10.51	-27.2	63.03	6.07	44.61	9.84	54.1	74.61	59.38	61.04	3.44	37.18	19.75	42.86	27.78	2.46	30.59
32	16.9	8.05	28.51	44.28	37.19	21.21	29.98	56.07	62.31	73.12	-2.3	87.9	27.89	18.16	28.23	2.57	33.75
34	7	21.68	27.95	24.37	56.91	18.36	23.71	53.9	46.83	-11.3	-7.57	14.76	12.35	54.65	26.55	-5.18	22.81

1 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	1.45	78.66	-0.19	56.51	71.84	74.23	56.56	56.3	66.11	68.73	58.16	86.29	35.74	71.49	72.09	82.8	58.55
13	1.35	-4.07	0.17	11.83	15.12	14.44	25.44	17.75	5.17	-4.32	-2.5	15.37	3.61	2.46	13.93	11.03	7.92
19	-5.59	-16.7	0.69	6.22	-31	4.88	4.83	14.77	-0.21	-3.74	-17.2	12.33	26.59	-21.1	-0.07	-0.07	-1.58
27	2.52	-0.83	0.82	9.55	-2.47	21.84	14.44	42.64	10.44	30.29	27.75	14.52	2.23	13.01	28.57	11.22	14.16
29	16.34	26.5	27.96	13.92	44.92	63.98	30.65	73.56	40.58	-13.5	43.74	53.63	29.36	43.59	55.94	41.65	37.05
32	-3.87	27.12	-1.54	31.52	53.75	51.67	43.66	39.4	36.92	61.97	37.6	43.39	29.62	24.33	28.44	27.58	33.22
34	-6.35	-14.4	0.8	8.3	14.93	26.07	30.32	15.21	-0.12	-3.62	11.89	30.67	31.27	-4.04	0.54	1.54	8.94

2 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	28.5	72.63	1.04	51.3	86.93	87.62	85.08	44.67	71.21	73.78	53.77	85.93	54.96	72.74	70.65	82.58	63.96
13	-0.14	-0.55	0.86	8.15	-13.6	10.47	15.78	30.91	18.48	11.94	1.98	16.31	3.46	9.7	12.53	11.24	8.60
19	-2.01	9.25	-0.19	6.8	-29.5	6.99	15.5	-2.44	1.59	4.53	7.06	17.97	0.94	-18.8	1.44	1.82	1.31
27	3.23	1.38	0.82	9.56	13.94	21.31	15.84	44.41	28.02	16.12	32.47	14.27	12.62	15.01	29.57	14.83	17.09
29	22.15	55.96	12.86	24.52	15.03	71.02	44.11	58.61	44.9	45.01	59.02	40.95	56.69	49.45	46.33	32.42	42.44
32	-1.6	40.58	29.96	17.07	30.57	52.54	29.08	28.76	59.82	33.24	43.63	30.25	44.92	7.61	30.62	-10.3	29.17
34	-4.29	29.63	2.07	16.6	-15.6	53.67	43.14	11.18	19.67	21.58	16.14	32.53	16.39	6.81	17.07	0.17	16.67

4 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	17.86	79.05	-1.53	56.44	77.66	57.9	75.36	54.65	63.25	76.4	77.06	76.53	41.15	57.28	42.24	82.53	58.36
13	2.1	-0.1	6.92	8.27	2.21	15.79	26.51	13.64	14.52	1.79	6.53	14.77	11.8	3.45	14.19	9.44	9.49
19	-8.43	3.34	0.03	15.97	-11.7	7.94	28.9	2.3	-0.66	-0.17	10.84	26.36	25.12	-13.8	3.28	-13.7	4.73
27	0.62	-0.01	10.88	9.58	1.86	13.96	26.06	28.82	16.73	13.55	1.11	14.88	2.48	-0.35	27.98	9.39	11.10
29	14.71	59.13	13.13	22.92	32.73	65.43	57.28	28.7	24.97	16.55	54.3	42.56	3.22	28.49	42.71	29.33	33.51
32	-3.13	75.94	0.49	26.39	23.56	58.38	48.63	41.99	24.91	22.62	32.32	48.45	44.84	8.2	11.49	13.51	29.91
34	1.42	32.48	0.84	12.58	1.64	7.72	45.42	1.78	22.45	13.91	26.1	26.91	28.73	8.9	13.55	12.64	16.07

Broadband noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	20.62	84.41	86.44	58.03	86.29	85.34	71.37	54.16	79.68	73.87	75.99	86.81	74.28	82.32	66.84	70.66	72.32
13	-0.59	-0.48	1.11	6.54	-2.62	-0.26	9.67	15.56	14.36	1.2	9.3	-0.28	-1.05	-0.58	1.9	10.73	4.03
19	-16.7	1.35	0.65	8.36	-0.17	-4.87	2.94	3.39	1.84	1.74	0.42	14.07	0.06	-8.24	1.8	-13.6	-0.43
27	18.03	16.57	25.27	24.68	15.86	28.56	20.59	43.3	40.24	40.05	22.61	29.91	12.97	25.26	28.56	28.2	26.29
29	29.15	58.65	50.67	42.77	31.97	64.73	45.44	72.35	47.38	49.31	47.37	46.3	41.21	53.91	44.45	56.12	48.86
32	-39.7	53.87	40.91	40.52	64.45	50.33	44.47	27.78	71.76	63.62	35.04	73.87	56.88	53.75	32.25	29.39	43.70
34	1.63	29.79	30.04	32.29	10.12	28.65	30.71	27.02	32.66	16.67	30.89	28.29	29.59	1.38	18.56	13.29	22.60

1 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	5.96	88.77	87.48	57.52	69.79	62.18	74.15	85.24	80.38	81.11	72.19	85.77	72.27	61.01	70.26	84.13	71.14
13	-0.72	-1.56	1.7	3.22	-7.15	-0.72	6.97	30.54	4.92	0.42	5.51	11.15	3.41	0.59	-3.81	10.31	4.05
19	-2.11	-3.08	1.02	6.76	-1.14	16.7	0.41	0.07	6.06	-2.16	-4.99	13.47	0.18	-15.7	12.6	-13.8	0.90
27	3.38	17.84	24.37	22.47	26.85	30.51	24.33	28.66	33.85	30.83	17.38	26.73	13.89	26.46	29.74	27.3	24.04
29	15.75	46.88	43.88	47.92	45.2	63.95	52.52	45.2	46.81	49.82	45.23	58.79	43.37	41.09	44.96	42.82	45.89
32	30.72	54.66	27.24	37.12	56.63	-36.1	45.79	41.82	52.27	61.15	33.62	46.7	30.79	55.55	33.05	14.62	36.60
34	2.49	25.9	24.21	7.21	6.6	37.09	28.31	12.64	46.71	38.52	48.47	28.13	16.7	13.54	30.09	14.31	23.81

2 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	65.94	86.75	79.41	66.18	79.92	-29.2	66.84	71.13	81.18	70.84	66.91	77.63	70.3	78.09	71.38	58.61	66.37
13	-0.26	0.55	4.23	4.33	3.01	-0.49	5.23	30.78	11.72	0.73	3.43	12.88	2.18	-0.89	-3.08	11.99	5.40
19	-4.7	-1.33	1.17	-2.66	-11.5	-8.99	7.68	-1.1	8.38	1.02	-15	14.93	1.13	-4.74	12.58	0.19	-0.19
27	13.43	19.27	19.34	20.21	31.22	21.75	21.15	31.06	28.77	27.97	20.26	31.78	14.56	25.17	30.76	13.56	23.14
29	29.8	41.78	40.85	52.62	57.85	30.81	39.85	78.22	48.22	34.63	29.2	61.11	42.67	46.82	47.15	63.16	46.55
32	9.09	40.83	45.54	33.58	51.57	10.61	47.72	41.8	61.4	78.34	27.83	32.75	57.82	37.26	31.59	0.84	38.04
34	3.56	32.76	32.57	16.48	26.05	0.34	33.59	27.59	41.44	17.4	23.9	26.95	15.78	12.18	31.41	13.95	22.25

4 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	4.22	70.05	76.68	54.13	55.51	-23.7	69.74	55.7	83.44	87.68	38.91	78.69	42.99	69.45	64.98	57.1	55.35
13	-0.5	0.88	7.73	6.16	-0.71	-1.1	9.81	30.37	12.45	1.1	4.9	13.25	4.85	-5.5	-4.21	2.57	5.13
19	3.38	-3.47	2.19	7.36	0.77	-4.24	10.79	2.82	17.46	3.43	4.42	9.84	-0.75	-16.1	11.87	-13.4	2.27
27	17.81	12.23	24.15	25.75	15.07	14.91	21.69	42.52	38	16.4	18.8	30.9	12.18	28	29.01	14.47	22.62
29	30.8	32.06	55.7	49.03	29.74	22.21	36.58	60.85	49.72	46.57	40.72	30.5	31.89	44.99	40.43	43.43	40.33
32	4.03	40.1	36.78	23.46	89.09	18.83	56.28	25.08	60.13	67.49	42.74	46.97	44.38	65.62	26.96	14.26	41.39
34	5.87	32.62	39.14	5.34	-4.96	15.92	35.09	25.65	35.36	0.88	14.45	28.97	17.33	2.18	17.41	0.31	16.97

1 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	13.55	84.2	82.16	53.47	70.46	69.03	50.78	41.26	66.25	78.53	64.84	1.08	57.52	49.55	28.6	80.76	55.75
13	2.02	-2.11	0.01	10.91	13.86	13.3	12.59	28.76	15.82	2.19	7.61	-0.16	4.22	11.59	14.06	15.77	9.40
19	2.61	-16	1.18	9.83	-26.8	20.93	3.65	27.13	5.43	4.84	0.4	1.58	1.53	-0.7	1.81	7.88	2.83
27	3.42	5.21	12.72	10.3	-1.18	31.74	25.78	41.22	14.66	14.42	31.91	0.55	2.7	12.35	22.89	13.82	15.16
29	23.69	34.58	29.06	19.5	58.55	67.43	29.18	33.53	27.89	56.54	48.16	-35.9	12.43	22.04	49.11	42.72	32.41
32	1.4	43.38	14.67	44.21	-27.6	23.79	39.59	42.47	49.32	78.33	36.13	-5.05	13.58	31.57	4.2	14.06	25.25
34	-0.59	-10	0.09	10.04	2.2	-0.08	40.92	16.43	5.12	28.9	1.55	34.77	11.72	0.98	6.5	2.09	9.41

2 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	28.22	84.93	76.48	71.58	86.13	70.03	43.76	61.26	56.93	73.38	51.22	73.34	74.44	71.54	47.22	75.33	65.36
13	2.96	-4.65	10.77	11.85	-2.29	17.5	13.76	17.75	15.17	2.16	8.39	16.22	10.22	12.83	10.05	10.65	9.58
19	0.48	-4.03	-0.08	9.97	-29.1	6.64	8.91	14.7	6.15	11.83	-20.8	4.55	1.56	-17.3	2.56	0.64	-0.20
27	4.64	-2.91	0.15	16.24	-2.96	21.9	33.22	45.4	29.76	14.21	16.01	21.49	11.59	11.27	22.85	22.23	16.57
29	13.94	59.74	28.53	19.51	-32.1	41.12	25.75	43.88	37.47	43.56	33.25	29.58	29.33	52.69	47.21	55.82	33.08
32	0.84	33.84	27.46	23.54	53.59	40.89	22.94	37.01	63.47	30.03	35.5	0.61	27.8	-3.5	18.27	2.36	25.92
34	1.57	-1.22	24.46	5.98	1.4	41.04	9.31	13.17	25.54	35.75	13.63	9.49	11.52	-4.18	6.78	0.91	12.20

4 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	1.09	81.95	70.84	57.27	73.6	64.61	48.76	38.18	71.41	75.25	79.35	85.04	85.6	58.98	49.73	86.04	64.23
13	4.12	-2.01	0.1	9.17	0.96	14.48	10.54	34.52	17.68	1.7	9.31	15.27	8.99	10.2	15.06	11.73	10.11
19	-1.23	-13.6	1.13	7.42	-16.6	19.76	15.67	12.95	16.47	12.98	1.26	12.33	-0.81	-2.53	3.89	1.27	4.40
27	4.72	1.61	0.35	6.71	-3.61	20.66	20.51	45.24	29.74	14.87	22.59	27.75	13.43	13.7	20.13	10.18	15.54
29	6.06	48.1	14.53	13.85	15.47	50.41	20.08	49.84	37.78	47.14	40.97	54.4	27.54	18.87	36.08	41.45	32.66
32	-0.68	36.71	13.53	28.44	35.04	45.49	32.55	11.96	47.12	42.83	28.63	55.36	12.82	-2.42	27.14	2.62	26.07
34	2.34	15.65	0.56	9.95	15.42	25.27	17.13	18.3	23.9	20.83	26.19	10.26	-0.73	-8.81	3.01	0.59	11.24

Broadband noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	11.02	83.94	59.33	37.39	85.21	52.61	54.4	61.56	66.59	72.49	70.66	87.86	70.75	74.6	59.03	71.92	63.71
13	2.07	-4.9	8.95	5.74	-1.99	-8.24	8.91	12.26	17.32	2.83	4.01	26.75	5.38	29.14	12.36	6.05	7.92
19	1.19	-8.1	-0.75	-9.82	12.04	15.19	12.41	7.2	19.59	4.13	-1.04	22.41	-0.93	-6.18	0.25	-0.48	4.19
27	6.31	1.65	26.46	3.12	-13.1	15.44	19.3	33.02	40.39	13.99	20.82	16.36	21.74	45.12	28.91	12.85	18.27
29	27.16	-45.3	27.35	12.2	-15.6	48.15	27.03	77.08	46.48	40.36	24.29	58.52	26.49	50.54	47.68	31.56	30.25
32	3.4	25.95	44.04	0.54	62.45	-16.7	28.26	28.16	54.62	51.83	40.01	56.85	58.19	31.16	27.65	24.91	32.58
34	2.02	-1.19	32.4	0.51	1.04	-21.3	28.51	26.91	36.09	28.54	24.75	24.92	0.72	28.54	0.43	0.21	13.32

1 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	4.45	76.68	41.92	48.21	64.19	-19.2	27.33	89.32	66.56	76.75	30.82	77.85	68.87	59.2	61.15	59.39	52.10
13	2.99	3.6	9.51	5.87	12.95	-8.01	14.9	45.29	14.02	6.32	4.27	15.21	6.56	-0.93	14.74	3.36	9.42
19	1.23	-2.1	14.61	10.91	0.01	-12.4	29.37	18.94	15.35	-0.3	7.5	10.5	-0.61	-19.8	10.5	-9.94	4.61
27	1.16	6.26	16.93	9.77	-4.65	-4.64	13.73	39.39	29.4	2.82	-10.8	13.43	12.83	9.96	30.55	3.09	10.58
29	15.13	29.79	26.58	9.06	30.52	-19.4	31.43	48.9	34.07	30.47	30.67	42.67	23.91	26.35	31.64	11.87	25.23
32	1.07	43.97	47.61	12.81	30.97	-45.1	28.05	34.22	47.18	41.46	28.1	36.32	14.69	24.01	29.68	-1.5	23.35
34	3.53	14.24	42.82	5.39	44.44	-40.6	25.48	19.45	15.89	14.92	-5.01	18.27	13.19	27.54	26.86	3.36	14.36

2 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	-0.62	78.63	45.38	-18.3	85.5	-46.1	17.76	31.57	70.18	43.6	37.06	31.34	-14.9	71.33	41.36	4.17	29.87
13	4.13	3.13	8.67	11.82	14.43	-17.4	-5.85	36.57	14.85	2.06	4.02	16.78	5.54	0.46	14.23	-4.74	6.79
19	1.15	28.38	-0.03	7.03	-2.01	-29.6	-7.14	20.63	33.28	0.07	3.81	17.24	-1.7	2.08	14.36	-12.9	4.67
27	5.91	13.31	25.26	9.38	28.88	-7.42	4.94	45.54	39.81	14.17	6.78	31.2	10.9	1.31	29.81	-4.87	15.93
29	4.68	14.22	27.85	17.33	59.51	-34.2	-7.61	24.47	44.48	14.31	-10.5	16.2	12	20.55	44.84	-14	14.64
32	0.98	8.05	1.42	13.97	-30.7	-45.1	-0.25	11.08	54.7	32.68	21.47	20.11	-14.5	-0.4	26.48	0.85	6.30
34	-5.99	11.37	0.85	1.79	13.85	-33	2.2	21.41	16.64	10.26	8.23	15.22	-19.5	-0.35	27.72	0.6	4.46

4 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	4.44	43.09	74.68	34.75	76.61	-40.5	0.68	33.42	58.58	74.1	26.65	20.1	-15.6	46.36	46.5	-11.7	29.51
13	3.98	5.82	36.95	60.21	14.94	-22.1	6.08	45.03	32.27	-12.2	-0.62	16.52	-5.55	-0.16	14.92	1.87	12.38
19	1.75	14	0.46	53.87	5.15	-25.5	4.69	31.82	4.5	-2.79	-4	15.2	0.33	56.93	12.69	-1.26	10.49
27	6.48	16.77	31.23	38.62	48.42	-7.98	21.59	46.03	33.51	9.66	4.82	15.6	12.5	0.14	14.78	2.1	18.39
29	3.52	29.54	30.97	39.67	58.1	-8.54	11.86	53.11	35.41	30.76	-4.79	13.4	14.32	30.08	42.35	-2.64	23.57
32	2.71	28.75	14.33	4.56	2.1	-36.4	21.93	32.05	31.35	32.07	11.09	14.99	-3.61	-5.72	25.17	-1.77	10.85
34	5.38	22.48	28.61	4.91	28.08	-19.6	0.92	34.54	27.67	12.25	12.7	18.58	-19.1	-1	28.96	-0.78	11.54

Absolute elevation — Experiment 6**1 kHz low-pass noise, Normal, Motionless**

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	97.05	91.85	89.76	54.69	108.5	108.1	6.27	66.32	53.02	89	53.59	74.21	100.2	116.9	89.22	85.44	80.26
13	0.19	23.04	12.85	14.55	23.98	6.16	83.9	9.88	18.29	23.14	12.43	14.88	22.86	27.96	29.81	4.55	20.53
19	13.51	9.13	15.19	9.29	13.96	7.15	62.74	44.17	12.76	30.39	16.87	15.22	5.85	19.03	2.29	31.46	19.31
27	41.8	26.81	0.42	15.02	44.3	37.61	56.24	14.59	8.99	30.32	12.19	10.62	29.02	58.65	10.58	15.81	25.81
29	71.71	65	45.7	33.83	56.51	67.82	25.32	76.27	18.41	76.43	28.52	48.63	63.61	47.4	45.18	33.87	50.26
32	65.61	87.5	76.51	50.52	89.62	68.26	23.39	46.3	32.46	67.48	19.53	46.99	64.67	41.55	43.59	40.26	54.02
34	32.04	31.29	32.25	20.13	32.28	39.52	13.2	29.48	6.74	38.72	15.61	15.6	36.96	35.43	28.22	16.3	26.49
Mean all loudspeakers	45.99	47.8	38.95	28.29	52.74	47.8	38.72	41	21.52	50.78	22.68	32.31	46.16	49.56	35.56	32.53	39.52 Grand Mean

2 kHz low-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	97.8	135.7	76.54	76.29	83.34	112.9	31.85	54.13	76.02	97.11	61.71	77.57	85.68	96.28	74.45	86.39	82.73
13	7.18	6.36	14.79	24.36	6.47	11.16	86.31	26.64	32.41	22.31	4.61	83.21	4.92	30	12.93	0.94	23.41
19	25	43.18	11.59	6.68	51.22	6.97	43.9	45.5	22.9	37.02	15.98	14.55	5.12	12.25	3.39	9.51	22.17
27	42.92	68.46	60.57	15.5	22.75	35.66	28.65	30.46	0.38	33.26	22.38	11.75	37.4	59.77	2.84	24.93	31.11
29	84.46	100.3	61.11	44.49	87.87	77.74	11.71	44.06	2.06	72.08	19.51	14.58	66.39	88.32	27.95	39.54	52.64
32	63.3	89.92	59.17	16	57.03	73.57	0.98	4.47	29.34	71.32	23.42	26.78	55.7	69	45.07	34.84	44.99
34	23.4	70.2	31.29	24.45	30.52	48.79	52.27	1.95	15.57	45.75	17.13	51.75	40.95	31.18	13.77	11.26	31.89
Mean all loudspeakers	49.15	73.44	45.01	29.68	48.46	52.4	36.52	29.6	25.53	54.12	23.53	40.03	42.31	55.26	25.77	29.63	41.28 Grand Mean

4 kHz low-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	94.14	136.9	89.2	80.45	82.59	88.35	47.86	90.51	60.98	109.1	20.46	2.47	83.84	82.71	78.37	88.89	77.30
13	5.78	3.73	0.91	7.85	14.53	1.15	43.24	7.27	13.74	14.38	8.07	27.48	5.45	15.27	13.64	16.21	12.42
19	11.78	47.25	0.17	3.55	4.11	1.11	58.61	16.59	11.05	27.24	1.3	13.37	5.47	24.62	2.65	1.11	14.37
27	43.24	37.64	16.17	15.66	21.86	44.14	28.94	19.48	15.67	36.42	20.11	41.27	23.6	24.48	3.08	17.16	25.56
29	61.81	44.48	46.11	44.93	43	68.25	2.36	45.76	26.14	74.65	39.65	46.15	53.67	47.87	0.42	42.46	42.98
32	63.12	103.2	90.01	52.56	53.74	60.78	12.93	48.16	45.38	84.38	30.73	45.9	54.28	47.86	11.17	57.51	53.86
34	39.51	79.26	45.14	19.6	27.54	22.09	12.54	16.85	17.95	58.51	21.98	16.71	24.07	39.62	17.86	30.5	30.61
Mean all loudspeakers	45.63	64.64	41.1	32.09	35.34	40.84	29.5	34.95	27.27	57.81	20.33	27.62	35.77	40.35	18.17	36.26	36.73 Grand Mean

Broadband noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	89.03	89.22	5.16	36.27	35.41	90.8	12.02	17.7	18.82	19.07	16.16	4.28	46.51	30.16	18.66	25.82	34.69
13	1.28	1.03	0.97	8.58	0.26	7.92	7.7	80.17	15.12	7.48	8.4	0.64	0.71	0.38	3.33	7.94	9.49
19	0.42	22.65	0.74	0.03	5.5	6.38	15.45	43.34	14.35	2.03	9.18	15.13	29.05	17.8	0.43	2.31	11.55
27	28.93	16.38	15.51	2.47	8.67	22.48	6.89	47.04	17.84	6.5	13.26	13.3	15.09	0.98	1.26	14.28	14.43
29	44.28	8.58	1.43	11.11	2.05	53.34	24.83	2.51	4.36	6.1	11.31	18.66	33.4	0.29	1.84	10.38	14.65
32	56.13	1.36	30.73	13.21	12.1	66.15	26.24	4.47	6.12	3.55	31.59	2.61	18.23	2.93	17.86	21.31	19.66
34	35.59	16.68	13.48	12.58	6.38	34.31	14.55	30.69	26.32	7.55	3.58	36.78	43.81	24.09	28.24	3.17	21.11
Mean all loudspeakers	36.52	22.27	9.717	12.04	10.05	40.2	15.38	32.27	14.7	7.469	13.35	13.06	26.69	10.95	10.23	12.17	17.94 Grand Mean

1 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	87.17	64.35	33.07	40.26	26.94	80.88	5.77	34.17	2.04	21	56.35	2.27	58.21	31.49	6.06	34.06	36.51
13	0.35	0.57	1.27	8.95	2.17	8.27	10.71	41.31	14.92	6.41	6.09	0.32	2.39	3.77	9.23	11.34	8.00
19	4.45	0.75	0.11	0.21	7.07	6.21	2.61	39.55	7.35	5.88	0.36	1.29	22.37	19.99	2.47	0.06	7.55
27	23.63	12.95	2.2	6.93	8.07	19.47	6.98	30.44	13.1	7.88	12.38	0.53	10.6	15.44	0.2	17.38	11.76
29	53.31	35.58	25.43	15.32	8.21	44.15	4.24	28.7	17.65	1.97	15.21	18.3	23.6	1.51	11.87	11.16	19.76
32	45.86	34.01	3.76	48.43	8.35	53.38	15.28	10.63	8.54	3.62	21.63	14.15	1.16	2.12	7.57	24.18	18.92
34	26.47	13.7	27.13	17.37	26.9	37.76	0.43	1.64	39.11	13.79	2.68	16.65	42.76	3.21	4.58	4.98	17.45
Mean all loudspeakers	34.46	23.13	13.28	19.64	12.53	35.73	6.574	26.63	14.67	8.65	16.39	7.644	23.01	11.08	5.997	14.74	17.13 Grand Mean

2 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	76.94	71.92	45.45	40.61	29.3	75.28	45.74	15.56	19.99	32.22	59.76	34.03	66.27	49.13	25.8	22.52	44.41
13	1.32	0.66	0.9	5.06	0.78	7.7	9.31	34.89	15.61	4.06	7.22	0.6	5.65	1.26	2.66	2.89	6.29
19	1	2.18	14.6	3.96	3.83	10.99	13.1	55.85	6.37	2.01	11.9	14.59	16.45	12.78	64.9	3.36	14.87
27	22.08	17.78	16.73	3.99	8.42	14.86	1.62	5.71	8.4	8.2	13.79	13.36	17.89	0.43	3.51	16.88	10.85
29	48.68	43.1	1.79	18.27	14.93	45.96	13.41	5.31	2.48	21.37	7.34	21.21	35.47	28.29	29.66	2.43	21.23
32	53.52	39.71	14.6	14.16	18.84	59.32	10.15	3.01	5.7	2.06	21.33	13.98	29.09	1.07	11.09	14.04	19.48
34	28.72	20.93	56.56	14.75	16.07	30.24	15.11	32.95	56.73	14.32	14.16	1.1	20.83	8.97	6.27	3.22	21.31
Mean all loudspeakers	33.18	28.04	21.52	14.4	13.17	34.91	15.49	21.9	16.47	12.03	19.36	14.12	27.38	14.56	20.56	9.334	19.78 Grand Mean

4 kHz high-pass noise, Normal, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	73.65	80.23	17.54	43.36	34.13	71.58	30.68	26.63	14.42	33.17	42.95	44.97	61.32	71.51	22.19	87.86	47.26
13	0.67	0.22	12.35	5.87	0.01	3.43	12.22	54.3	16.18	0.89	6.12	0.66	1.39	2	2.71	2.97	7.62
19	6.73	2.37	58.55	5.97	3.51	14.92	14.45	32.68	74.6	4.31	23.23	17.17	6.28	73.15	16.62	13.71	23.02
27	30.81	21.06	2.23	6.06	12.67	16.59	2.09	32.56	7.7	4.66	7.57	0.75	19.13	10.81	0.81	15.91	11.96
29	33.61	55.29	28.66	13.06	14.74	30.89	14.03	2.26	18.52	2.82	17.81	27.68	34.24	29.8	1.64	14.58	21.23
32	30.98	61.16	25.2	41.17	3.28	44.72	14.15	13.43	5.06	8.26	23.54	12.78	21.83	13.91	5.92	45	23.15
34	24.73	22.94	56	17.2	5.18	30.48	15.88	22.23	47.41	9.33	1.47	17.9	10.89	48.49	2.14	16.94	21.83
Mean all loudspeakers	28.74	34.75	28.65	18.96	10.5	30.37	14.79	26.3	26.27	9.063	17.53	17.42	22.15	35.67	7.433	28.14	22.30 Grand Mean

1 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	102.2	59.85	91.28	76.82	103.1	97.15	47.9	25.22	64.1	77.06	62.89	7.97	93.86	63.38	61.96	59.98	68.42
13	13.62	13.7	12.83	17.3	15.02	7.1	41.48	61.99	30.77	23	13.06	12.2	3.49	61.5	1.18	10.86	21.19
19	8.32	53.62	15.59	11.98	1.78	1.41	68.65	45.07	27.91	0.69	1.18	15.81	4.48	0.16	1.78	3.81	16.39
27	35.84	41.64	18.48	8.18	55.67	36.7	24.66	29.64	2.55	33.27	13.39	15.21	34.31	22.67	28.67	20.94	26.36
29	64.77	60.64	29.84	50.67	52.61	53.44	8.74	25.26	55.92	83.52	31.49	11.88	60.25	76.9	7.77	46.84	45.03
32	68.14	60.76	60.58	50.17	74.62	80.78	13.82	26.83	42.62	80.38	33.01	42	60.26	20.29	18.07	43.47	48.49
34	33.63	25.82	45.34	20.4	46.36	36.92	15.25	37.28	4.62	44.14	25.14	13.95	33.15	4.46	28.73	6.05	26.33
Mean all loudspeakers	46.65	45.15	39.13	33.65	49.88	44.79	31.5	35.9	32.64	48.87	25.74	17	41.4	35.62	21.17	27.42	36.03 Grand Mean

2 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	101	61.62	119.1	73.35	89.38	98.57	44.93	76.74	60.49	88.92	48.83	2.37	80.96	89.09	76.74	71.34	73.96
13	8.4	0.13	13.52	15.14	2	8.3	41.52	2.64	19.8	1.94	32.32	16.13	2.92	14.86	14.59	13.93	13.01
19	7.01	72.88	0.57	4.62	11.92	6.32	72.16	23	3.52	2.26	2.44	72.44	4.3	4.03	2.19	24.02	19.61
27	37.34	30.99	3.25	20.9	20.15	23.26	18.15	9.7	9.63	14.89	14.8	13.36	25.39	30.6	1.95	10.84	17.83
29	59.62	53.05	45.82	53.76	74.99	79.61	12.41	10.22	29.85	9.91	26.06	23.84	57.87	62.55	29.35	42.41	41.96
32	66.51	95.64	75.35	52.14	60.01	51.15	13.17	44.8	29.02	41.32	31.78	48.09	65.52	50.88	34.4	42.42	50.14
34	42.93	57.68	32	20.19	27.87	61.31	14.89	39.69	1.51	44.99	15.79	18.32	34.17	45.86	26.66	13.18	31.07
Mean all loudspeakers	46.11	53.14	41.37	34.3	40.9	46.93	31.03	29.54	21.97	29.18	24.57	27.79	38.73	42.55	26.55	31.16	35.37 Grand Mean

4 kHz low-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	95.1	88.74	88.11	83.95	104.7	104	34.91	81.86	75.2	83.7	40.36	61.58	81.58	119.7	60.55	72.57	79.79
13	2.53	5.32	12.92	8.08	1.12	1.84	46.81	5.19	13.98	7.48	13.86	14.79	6.36	31.31	13.13	12.82	12.35
19	7.27	73.5	14.88	12.05	1.32	1.56	42.01	25.78	3.49	23.19	0.41	12.56	1.95	31.1	14.17	17.67	17.68
27	27.78	25.53	28.25	12.94	29.08	16.42	9.15	10.38	3.92	13.96	10.53	26.53	25.08	45.55	0.75	14.71	18.79
29	55.74	58.26	47.9	53	51.87	66.86	11.36	51.16	30.41	58.53	44.23	46.33	57.1	60.78	31.19	43.41	48.01
32	65.56	105.3	89.2	47.1	60.07	60.95	14.4	38.96	45.58	63.25	18.06	18.81	56.73	47.6	58.22	45.95	52.23
34	54.24	21.82	45.92	24.81	29.5	37.89	10	30.87	14.65	1.05	17.28	12.8	25.78	59.24	30.12	14.72	26.92
Mean all loudspeakers	44.03	54.06	46.74	34.56	39.67	41.36	24.09	34.89	26.75	35.88	20.68	27.63	36.37	56.46	29.73	31.69	36.54 Grand Mean

Broadband noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	95.73	119.3	63.14	83.78	87.77	95.26	25.71	80	11.61	41.38	63.97	78.73	78.71	103.3	22.55	90.43	71.34
13	1.25	14.53	69.13	12.42	1.12	6.14	65.93	63.82	67.36	10.19	7.93	80.26	28.81	7.12	57.11	6.17	31.21
19	14.51	11.76	30.07	18.69	63.04	0.05	46.11	19.32	70.14	27.94	2.13	78.17	21.23	16.69	40.41	1.38	28.85
27	22.76	15.35	53.92	19.48	17.94	37.26	14.55	53.44	40.35	26	28.64	55.96	20.39	8.9	13.61	25.63	28.39
29	61.53	59.63	17.37	30.05	12.88	66.09	14.21	56.68	17.72	31.4	44	3.84	43.07	7.4	4.88	51.13	32.62
32	61.79	104	29.71	42.18	3.34	68.7	8.78	56.12	7.53	8.2	47.17	17.57	23.53	43	10	65.57	37.32
34	34.13	29.73	28	18.32	22.55	35.82	40.07	25.13	12.89	13.49	4.87	17.03	9.99	21.61	21.64	41.02	23.52
Mean all loudspeakers	41.67	50.61	41.62	32.13	29.81	44.19	30.77	50.64	32.51	22.66	28.39	47.37	32.25	29.71	24.31	40.19	36.18 Grand Mean

1 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	97.68	135.2	59.77	78.75	71.93	87.06	47.77	28.45	19.58	31.07	64.47	59.16	77.53	91.81	44.56	86.87	67.60
13	2.12	1.23	70.01	12.72	26.08	6.14	38.34	38.87	79.09	70.32	0.84	79.31	17.26	14.37	41.96	0.51	31.20
19	2.05	45.18	29.88	9.13	54.23	0.84	49.28	22.01	75.29	22.77	16.53	14.64	14.59	39.92	71.41	5.56	29.58
27	34.25	8.46	28.06	1.97	23.83	23.27	0.84	37.65	28.23	0.25	36.34	57.1	17.51	30.89	4.21	31.64	22.78
29	58.23	91.46	28.13	54.4	5.97	49.85	14.61	4.23	7.57	0.84	51.72	48.48	45.03	105.5	10.21	56.02	39.51
32	57.69	104.4	45.75	53.17	5.93	52.79	1.14	29.63	9.56	8.58	51.07	27.78	73.24	21.08	7.2	58.23	37.95
34	27.13	44.66	13.58	25.93	37.84	29.58	31.47	17.02	24.95	10.68	22.79	39.92	45.77	20.1	23.63	32.48	27.97
Mean all loudspeakers	39.88	61.51	39.31	33.72	32.26	35.65	26.21	25.41	34.9	20.64	34.82	46.63	41.56	46.23	29.03	38.76	36.66 Grand Mean

2 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	88.75	80.16	62.53	47.94	46.37	88.17	71.89	54.53	36.71	24.83	89.36	74.23	84.27	89.99	33.63	88.69	66.38
13	1.07	9.96	34.04	21.58	21.45	6.61	24.69	53.61	79.92	34.28	2.77	80.06	16.36	7.1	13.82	0.69	25.50
19	0.09	11.87	86.74	14	39.37	6.94	38.85	68.56	64.08	16.14	10.09	11.72	13.2	14.32	32.97	2.86	26.99
27	27.9	13.72	1.81	24.67	17.67	24.22	11.06	23.3	31.11	1.14	32.92	1.56	10.52	8.48	7.08	30.1	16.70
29	55.03	45.06	30.09	46.81	0.54	54.61	33.56	19.76	12.99	29.22	56.71	44.73	40.91	38.23	30.25	57.13	37.23
32	59.78	46.45	49.05	47.24	6.2	46.52	12.38	19.74	9.38	13.19	55.79	45.06	50.11	47.16	31.43	59.8	37.46
34	27.57	34.33	2.76	22.29	20.32	23.09	14.83	33.82	33.6	46.26	22.08	49.48	19.73	7.67	1.71	32.48	24.50
Mean all loudspeakers	37.17	34.51	38.15	32.08	21.7	35.74	29.61	39.05	38.26	23.58	38.53	43.83	33.59	30.42	21.56	38.82	33.54 Grand Mean

4 kHz high-pass noise, Distorted, Motionless

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	77.73	83.25	59.61	65.41	49.76	68.25	46.39	18.79	11.26	15.78	92.86	73.82	84.6	73.89	47.38	93.38	60.14
13	7.01	17.03	36.28	14.74	30.25	20.84	17.96	87.28	78.13	18.13	0.18	87.22	18.26	45.19	17.58	3.12	31.20
19	12.25	14.02	60.51	20.77	32.18	9.2	34.83	74.24	76.86	6.74	1.61	57.77	16.09	57.72	11.68	3.8	30.64
27	25.71	13.96	44.35	22.34	14.82	19.87	10.96	44.34	51.01	15.71	35.95	13.58	17.1	18.47	0.74	36.14	24.07
29	49.49	87.15	3.03	53.93	15.39	50.16	5.9	14.61	0.62	1.04	56.56	22.82	40.25	17.14	32.22	57.54	31.74
32	43.1	51.95	31.49	15.72	22.81	38.79	30.02	3.93	2.31	13.12	62.3	27.9	32.11	41.84	31.77	57.43	31.66
34	23	8.32	2.05	5.63	26.91	11.64	6.29	23.9	16.83	41.28	37.57	15.24	17.65	24.65	3.45	35.18	18.72
Mean all loudspeakers	34.04	39.38	33.9	28.36	27.45	31.25	21.76	38.16	33.86	15.97	41	42.62	32.29	39.84	20.69	40.94	32.60 Grand Mean

1 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	88.55	11.34	90.19	33.49	18.16	15.77	33.44	33.7	23.89	21.27	31.84	3.71	54.26	18.51	17.91	7.2	31.45
13	1.35	4.07	0.17	11.83	15.12	14.44	25.44	17.75	5.17	4.32	2.5	15.37	3.61	2.46	13.93	11.03	9.29
19	5.59	16.66	0.69	6.22	31.02	4.88	4.83	14.77	0.21	3.74	17.15	12.33	26.59	21.1	0.07	0.07	10.37
27	27.48	30.83	29.18	20.45	32.47	8.16	15.56	12.64	19.56	0.29	2.25	15.48	27.77	16.99	1.43	18.78	17.46
29	43.66	33.5	32.04	46.08	15.08	3.98	29.35	13.56	19.42	73.52	16.26	6.37	30.64	16.41	4.06	18.35	25.14
32	63.87	32.88	61.54	28.48	6.25	8.33	16.34	20.6	23.08	1.97	22.4	16.61	30.38	35.67	31.56	32.42	27.02
34	36.35	44.39	29.2	21.7	15.07	3.93	0.32	14.79	30.12	33.62	18.11	0.67	1.27	34.04	29.46	28.46	21.34
Mean all loudspeakers	38.12	24.81	34.72	24.04	19.02	8.499	17.9	18.26	17.35	19.82	15.79	10.08	24.93	20.74	14.06	16.62	20.30 Grand Mean

2 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	61.5	17.37	88.96	38.7	3.07	2.38	4.92	45.33	18.79	16.22	36.23	4.07	35.04	17.26	19.35	7.42	26.04
13	0.14	0.55	0.86	8.15	13.56	10.47	15.78	30.91	18.48	11.94	1.98	16.31	3.46	9.7	12.53	11.24	10.38
19	2.01	9.25	0.19	6.8	29.46	6.99	15.5	2.44	1.59	4.53	7.06	17.97	0.94	18.83	1.44	1.82	7.93
27	26.77	28.62	29.18	20.44	16.06	8.69	14.16	14.41	1.98	13.88	2.47	15.73	17.38	14.99	0.43	15.17	15.02
29	37.85	4.04	47.14	35.48	44.97	11.02	15.89	1.39	15.1	14.99	0.98	19.05	3.31	10.55	13.67	27.58	18.94
32	61.6	19.42	30.04	42.93	29.43	7.46	30.92	31.24	0.18	26.76	16.37	29.75	15.08	52.39	29.38	70.3	30.83
34	34.29	0.37	27.93	13.4	45.6	23.67	13.14	18.82	10.33	8.42	13.86	2.53	13.61	23.19	12.93	29.83	18.25
Mean all loudspeakers	32.02	11.37	32.04	23.7	26.02	10.1	15.76	20.65	9.493	13.82	11.28	15.06	12.69	20.99	12.82	23.34	18.20 Grand Mean

4 kHz low-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	72.14	10.95	91.53	33.56	12.34	32.1	14.64	35.35	26.75	13.6	12.94	13.47	48.85	32.72	47.76	7.47	31.64
13	2.1	0.1	6.92	8.27	2.21	15.79	26.51	13.64	14.52	1.79	6.53	14.77	11.8	3.45	14.19	9.44	9.50
19	8.43	3.34	0.03	15.97	11.74	7.94	28.9	2.3	0.66	0.17	10.84	26.36	25.12	13.75	3.28	13.73	10.79
27	29.38	30.01	19.12	20.42	28.14	16.04	3.94	1.18	13.27	16.45	28.89	15.12	27.52	30.35	2.02	20.61	18.90
29	45.29	0.87	46.87	37.08	27.27	5.43	2.72	31.3	35.03	43.45	5.7	17.44	56.78	31.51	17.29	30.67	27.17
32	63.13	15.94	59.51	33.61	36.44	1.62	11.37	18.01	35.09	37.38	27.68	11.55	15.16	51.8	48.51	46.49	32.08
34	28.58	2.48	29.16	17.42	28.36	22.28	15.42	28.22	7.55	16.09	3.9	3.09	1.27	21.1	16.45	17.36	16.17
Mean all loudspeakers	35.58	9.099	36.16	23.76	20.93	14.46	14.79	18.57	18.98	18.42	13.78	14.54	26.64	26.38	21.36	20.82	20.89 Grand Mean

Broadband noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	69.38	5.59	3.56	31.97	3.71	4.66	18.63	35.84	10.32	16.13	14.01	3.19	15.72	7.68	23.16	19.34	17.68
13	0.59	0.48	1.11	6.54	2.62	0.26	9.67	15.56	14.36	1.2	9.3	0.28	1.05	0.58	1.9	10.73	4.76
19	16.7	1.35	0.65	8.36	0.17	4.87	2.94	3.39	1.84	1.74	0.42	14.07	0.06	8.24	1.8	13.57	5.01
27	11.97	13.43	4.73	5.32	14.14	1.44	9.41	13.3	10.24	10.05	7.39	0.09	17.03	4.74	1.44	1.8	7.91
29	30.85	1.35	9.33	17.23	28.03	4.73	14.56	12.35	12.62	10.69	12.63	13.7	18.79	6.09	15.55	3.88	13.27
32	99.7	6.13	19.09	19.48	4.45	9.67	15.53	32.22	11.76	3.62	24.96	13.87	3.12	6.25	27.75	30.61	20.51
34	28.37	0.21	0.04	2.29	19.88	1.35	0.71	2.98	2.66	13.33	0.89	1.71	0.41	28.62	11.44	16.71	8.23
Mean all loudspeakers	36.79	4.077	5.501	13.03	10.43	3.854	10.21	16.52	9.114	8.109	9.943	6.701	8.026	8.886	11.86	13.81	11.05 Grand Mean

1 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	84.04	1.23	2.52	32.48	20.21	27.82	15.85	4.76	9.62	8.89	17.81	4.23	17.73	28.99	19.74	5.87	18.86
13	0.72	1.56	1.7	3.22	7.15	0.72	6.97	30.54	4.92	0.42	5.51	11.15	3.41	0.59	3.81	10.31	5.79
19	2.11	3.08	1.02	6.76	1.14	16.7	0.41	0.07	6.06	2.16	4.99	13.47	0.18	15.65	12.6	13.77	6.26
27	26.62	12.16	5.63	7.53	3.15	0.51	5.67	1.34	3.85	0.83	12.62	3.27	16.11	3.54	0.26	2.7	6.61
29	44.25	13.12	16.12	12.08	14.8	3.95	7.48	14.8	13.19	10.18	14.77	1.21	16.63	18.91	15.04	17.18	14.61
32	29.28	5.34	32.76	22.88	3.37	96.09	14.21	18.18	7.73	1.15	26.38	13.3	29.21	4.45	26.95	45.38	23.54
34	27.51	4.1	5.79	22.79	23.4	7.09	1.69	17.36	16.71	8.52	18.47	1.87	13.3	16.46	0.09	15.69	12.55
Mean	30.65	5.799	9.363	15.39	10.46	21.84	7.469	12.44	8.869	4.593	14.36	6.929	13.8	12.66	11.21	15.84	12.60
all loudspeakers																	Grand Mean

2 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	24.06	3.25	10.59	23.82	10.08	119.2	23.16	18.87	8.82	19.16	23.09	12.37	19.7	11.91	18.62	31.39	23.63
13	0.26	0.55	4.23	4.33	3.01	0.49	5.23	30.78	11.72	0.73	3.43	12.88	2.18	0.89	3.08	11.99	5.99
19	4.7	1.33	1.17	2.66	11.52	8.99	7.68	1.1	8.38	1.02	15.02	14.93	1.13	4.74	12.58	0.19	6.07
27	16.57	10.73	10.66	9.79	1.22	8.25	8.85	1.06	1.23	2.03	9.74	1.78	15.44	4.83	0.76	16.44	7.46
29	30.2	18.22	19.15	7.38	2.15	29.19	20.15	18.22	11.78	25.37	30.8	1.11	17.33	13.18	12.85	3.16	16.27
32	50.91	19.17	14.46	26.42	8.43	49.39	12.28	18.2	1.4	18.34	32.17	27.25	2.18	22.74	28.41	59.16	24.43
34	26.44	2.76	2.57	13.52	3.95	29.66	3.59	2.41	11.44	12.6	6.1	3.05	14.22	17.82	1.41	16.05	10.47
Mean	21.88	8.001	8.976	12.56	5.766	35.03	11.56	12.95	7.824	11.32	17.19	10.48	10.31	10.87	11.1	19.77	13.47
all loudspeakers																	Grand Mean

4 kHz high-pass noise, Normal, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	85.78	19.95	13.32	35.87	34.49	113.7	20.26	34.3	6.56	2.32	51.09	11.31	47.01	20.55	25.02	32.9	34.65
13	0.5	0.88	7.73	6.16	0.71	1.1	9.81	30.37	12.45	1.1	4.9	13.25	4.85	5.5	4.21	2.57	6.63
19	3.38	3.47	2.19	7.36	0.77	4.24	10.79	2.82	17.46	3.43	4.42	9.84	0.75	16.13	11.87	13.38	7.02
27	12.19	17.77	5.85	4.25	14.93	15.09	8.31	12.52	8	13.6	11.2	0.9	17.82	2	0.99	15.53	10.06
29	29.2	27.94	4.3	10.97	30.26	37.79	23.42	0.85	10.28	13.43	19.28	29.5	28.11	15.01	19.57	16.57	19.78
32	55.97	19.9	23.22	36.54	29.09	41.17	3.72	34.92	0.13	7.49	17.26	13.03	15.62	5.62	33.04	45.74	23.90
34	24.13	2.62	9.14	24.66	34.96	14.08	5.09	4.35	5.36	29.12	15.55	1.03	12.67	27.82	12.59	29.69	15.80
Mean	30.16	13.22	9.393	17.97	20.74	32.46	11.63	17.16	8.606	10.07	17.67	11.27	18.12	13.23	15.33	22.34	16.84
all loudspeakers																	Grand Mean

1 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	76.45	5.8	7.84	36.53	19.54	20.97	39.22	48.74	23.75	11.47	25.16	88.92	32.48	40.45	61.4	9.24	34.25
13	2.02	2.11	0.01	10.91	13.86	13.3	12.59	28.76	15.82	2.19	7.61	0.16	4.22	11.59	14.06	15.77	9.69
19	2.61	16.01	1.18	9.83	26.75	20.93	3.65	27.13	5.43	4.84	0.4	1.58	1.53	0.7	1.81	7.88	8.27
27	26.58	24.79	17.28	19.7	31.18	1.74	4.22	11.22	15.34	15.58	1.91	29.45	27.3	17.65	7.11	16.18	16.70
29	36.31	25.42	30.94	40.5	1.45	7.43	30.82	26.47	32.11	3.46	11.84	95.92	47.57	37.96	10.89	17.28	28.52
32	58.6	16.62	45.33	15.79	87.63	36.21	20.41	17.53	10.68	18.33	23.87	65.05	46.42	28.43	55.8	45.94	37.04
34	30.59	40.03	29.91	19.96	27.8	30.08	10.92	13.57	24.88	1.1	28.45	4.77	18.28	29.02	23.5	27.91	22.55
Mean	33.31	18.68	18.93	21.89	29.74	18.67	17.4	24.77	18.29	8.139	14.18	40.84	25.4	23.69	24.94	20.03	22.43
all loudspeakers																	Grand Mean

2 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	61.78	5.07	13.52	18.42	3.87	19.97	46.24	28.74	33.07	16.62	38.78	16.66	15.56	18.46	42.78	14.67	24.64
13	2.96	4.65	10.77	11.85	2.29	17.5	13.76	17.75	15.17	2.16	8.39	16.22	10.22	12.83	10.05	10.65	10.45
19	0.48	4.03	0.08	9.97	29.05	6.64	8.91	14.7	6.15	11.83	20.76	4.55	1.56	17.3	2.56	0.64	8.70
27	25.36	32.91	29.85	13.76	32.96	8.1	3.22	15.4	0.24	15.79	13.99	8.51	18.41	18.73	7.15	7.77	15.76
29	46.06	0.26	31.47	40.49	92.08	18.88	34.25	16.12	22.53	16.44	26.75	30.42	30.67	7.31	12.79	4.18	26.92
32	59.16	26.16	32.54	36.46	6.41	19.11	37.06	22.99	3.47	29.97	24.5	59.39	32.2	63.5	41.73	57.64	34.52
34	28.43	31.22	5.54	24.02	28.6	11.04	20.69	16.83	4.46	5.75	16.37	20.51	18.48	34.18	23.22	29.09	19.90
Mean all loudspeakers	32.03	14.9	17.68	22.14	27.89	14.46	23.45	18.93	12.16	14.08	21.36	22.32	18.16	24.62	20.04	17.81	20.13 Grand Mean

4 kHz low-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	88.91	8.05	19.16	32.73	16.4	25.39	41.24	51.82	18.59	14.75	10.65	4.96	4.4	31.02	40.27	3.96	25.77
13	4.12	2.01	0.1	9.17	0.96	14.48	10.54	34.52	17.68	1.7	9.31	15.27	8.99	10.2	15.06	11.73	10.37
19	1.23	13.56	1.13	7.42	16.64	19.76	15.67	12.95	16.47	12.98	1.26	12.33	0.81	2.53	3.89	1.27	8.74
27	25.28	28.39	29.65	23.29	33.61	9.34	9.49	15.24	0.26	15.13	7.41	2.25	16.57	16.3	9.87	19.82	16.37
29	53.94	11.9	45.47	46.15	44.53	9.59	39.92	10.16	22.22	12.86	19.03	5.6	32.46	41.13	23.92	18.55	27.34
32	60.68	23.29	46.47	31.56	24.96	14.51	27.45	48.04	12.88	17.17	31.37	4.64	47.18	62.42	32.86	57.38	33.93
34	27.66	14.35	29.44	20.05	14.58	4.73	12.87	11.7	6.1	9.17	3.81	19.74	30.73	38.81	26.99	29.41	18.76
Mean all loudspeakers	37.4	14.51	24.49	24.34	21.67	13.97	22.45	26.35	13.46	11.97	11.83	9.256	20.16	28.92	21.84	20.3	20.18 Grand Mean

Broadband noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	78.98	6.06	30.67	52.61	4.79	37.39	35.6	28.44	23.41	17.51	19.34	2.14	19.25	15.4	30.97	18.08	26.29
13	2.07	4.9	8.95	5.74	1.99	8.24	8.91	12.26	17.32	2.83	4.01	26.75	5.38	29.14	12.36	6.05	9.81
19	1.19	8.1	0.75	9.82	12.04	15.19	12.41	7.2	19.59	4.13	1.04	22.41	0.93	6.18	0.25	0.48	7.61
27	23.69	28.35	3.54	26.88	43.14	14.56	10.7	3.02	10.39	16.01	9.18	13.64	8.26	15.12	1.09	17.15	15.30
29	32.84	105.3	32.65	47.8	75.57	11.85	32.97	17.08	13.52	19.64	35.71	1.48	33.51	9.46	12.32	28.44	31.88
32	56.6	34.05	15.96	59.46	2.45	76.67	31.74	31.84	5.38	8.17	19.99	3.15	1.81	28.84	32.35	35.09	27.72
34	27.98	31.19	2.4	29.49	28.96	51.29	1.49	3.09	6.09	1.46	5.25	5.08	29.28	1.46	29.57	29.79	17.74
Mean all loudspeakers	31.91	31.13	13.56	33.11	24.13	30.74	19.12	14.7	13.67	9.964	13.5	10.66	14.06	15.09	16.99	19.3	19.48 Grand Mean

1 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	85.55	13.32	48.08	41.79	25.81	109.2	62.67	0.68	23.44	13.25	59.18	12.15	21.13	30.8	28.85	30.61	37.91
13	2.99	3.6	9.51	5.87	12.95	8.01	14.9	45.29	14.02	6.32	4.27	15.21	6.56	0.93	14.74	3.36	10.53
19	1.23	2.1	14.61	10.91	0.01	12.43	29.37	18.94	15.35	0.3	7.5	10.5	0.61	19.84	10.5	9.94	10.26
27	28.84	23.74	13.07	20.23	34.65	34.64	16.27	9.39	0.6	27.18	40.81	16.57	17.17	20.04	0.55	26.91	20.67
29	44.87	30.21	33.42	50.94	29.48	79.36	28.57	11.1	25.93	29.53	29.33	17.33	36.09	33.65	28.36	48.13	34.77
32	58.93	16.03	12.39	47.19	29.03	105.1	31.95	25.78	12.82	18.54	31.9	23.68	45.31	35.99	30.32	61.5	36.65
34	26.47	15.76	12.82	24.61	14.44	70.64	4.52	10.55	14.11	15.08	35.01	11.73	16.81	2.46	3.14	26.64	19.05
Mean all loudspeakers	35.55	14.97	20.56	28.79	20.91	59.9	26.89	17.39	15.18	15.74	29.71	15.31	20.53	20.53	16.64	29.58	24.26 Grand Mean

2 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	90.62	11.37	44.62	108.3	4.5	136.1	72.24	58.43	19.82	46.4	52.94	58.66	104.9	18.67	48.64	85.83	60.13
13	4.13	3.13	8.67	11.82	14.43	17.39	5.85	36.57	14.85	2.06	4.02	16.78	5.54	0.46	14.23	4.74	10.29
19	1.15	28.38	0.03	7.03	2.01	29.56	7.14	20.63	33.28	0.07	3.81	17.24	1.7	2.08	14.36	12.85	11.33
27	24.09	16.69	4.74	20.62	1.12	37.42	25.06	15.54	9.81	15.83	23.22	1.2	19.1	28.69	0.19	34.87	17.39
29	55.32	45.78	32.15	42.67	0.49	94.22	67.61	35.53	15.52	45.69	70.45	43.8	48	39.45	15.16	73.98	45.36
32	59.02	51.95	58.58	46.03	90.7	105.1	60.25	48.92	5.3	27.32	38.53	39.89	74.53	60.4	33.52	59.15	53.70
34	35.99	18.63	29.15	28.21	16.15	62.99	27.8	8.59	13.36	19.74	21.77	14.78	49.47	30.35	2.28	29.4	25.54
Mean all loudspeakers	38.62	25.13	25.42	37.81	18.49	68.96	37.99	32.03	15.99	22.44	30.68	27.48	43.32	25.73	18.34	42.97	31.96 Grand Mean

4 kHz high-pass noise, Distorted, Rotation

Loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	85.56	46.91	15.32	55.25	13.39	130.5	89.32	56.58	31.42	15.9	63.35	69.9	105.6	43.64	43.5	101.7	60.49
13	3.98	5.82	36.95	60.21	14.94	22.07	6.08	45.03	32.27	12.19	0.62	16.52	5.55	0.16	14.92	1.87	17.45
19	1.75	14	0.46	53.87	5.15	25.51	4.69	31.82	4.5	2.79	4	15.2	0.33	56.93	12.69	1.26	14.68
27	23.52	13.23	1.23	8.62	18.42	37.98	8.41	16.03	3.51	20.34	25.18	14.4	17.5	29.86	15.22	27.9	17.58
29	56.48	30.46	29.03	20.33	1.9	68.54	48.14	6.89	24.59	29.24	64.79	46.6	45.68	29.92	17.65	62.64	36.43
32	57.29	31.25	45.67	55.44	57.9	96.38	38.07	27.95	28.65	27.93	48.91	45.01	63.61	65.72	34.83	61.77	49.15
34	24.62	7.52	1.39	25.09	1.92	49.63	29.08	4.54	2.33	17.75	17.3	11.42	49.08	31	1.04	30.78	19.03
Mean all loudspeakers	36.17	21.31	18.58	39.83	16.23	61.51	31.97	26.98	18.18	18.02	32.02	31.29	41.04	36.75	19.98	41.13	30.69 Grand Mean

Front-back errors — Experiment 7**Motionless (time 1)**

Loudspeaker	Listener																						Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	all listeners
13	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09
19	1	0	1	0	0	0	0	1	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0.50
27	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0.18
29	0	1	0	1	0	0	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0.32
32	1	1	0	1	0	0	1	0	0	0	0	1	1	0	1	0	1	1	1	1	0	1	0.55
34	1	1	1	0	1	0	0	0	0	1	0	1	1	1	0	1	0	1	0	1	0	1	0.55
37	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0.27
39	0	1	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0	1	0.36
42	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	1	0.27
44	0	1	0	1	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	1	0	0.32
Mean	0.30	0.70	0.30	0.30	0.20	0.00	0.20	0.20	0.50	0.10	0.40	0.50	0.50	0.40	0.30	0.30	0.60	0.50	0.40	0.20	0.10	0.50	0.34
all loudspeakers																							Grand Mean

Motionless (time 2)

Loudspeaker	Listener																						Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	all listeners
13	0	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0.27
19	1	0	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	1	1	0	0	0.45
27	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0.23
29	1	1	0	1	1	1	1	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0.45
32	1	1	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	1	1	1	0	1	0.59
34	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	0	0	0.45
37	0	0	1	0	0	0	1	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0.32
39	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0.18
42	0	1	0	1	0	1	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	0.41
44	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23
Mean	0.50	0.70	0.30	0.40	0.20	0.40	0.30	0.10	0.50	0.40	0.50	0.50	0.50	0.20	0.30	0.40	0.20	0.40	0.50	0.30	0.00	0.30	0.36
all loudspeakers																							Grand Mean

Rotation (time 1)

Loudspeaker	Listener																						Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	all listeners
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00 Grand Mean

Rotation (time 2)

Loudspeaker	Listener																						Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	all listeners
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.05
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Mean all loudspeakers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00 Grand Mean

Apparent elevation — Experiment 7**Motionless (time 1)**

Loudspeaker	Listener																						Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	2.18	2.90	6.03	-2.41	0.07	1.56	5.24	1.96	6.03	-0.43	0.64	4.23	4.72	9.92	-0.16	1.28	1.57	0.80	-1.41	8.24	1.17	0.94	2.50
3	0.49	2.65	42.40	0.54	15.55	10.91	26.56	29.81	22.74	1.00	0.30	0.60	23.87	20.73	0.52	1.64	30.44	9.19	1.02	11.52	3.22	20.67	12.56
5	35.35	23.86	70.16	29.84	-0.10	43.58	48.58	59.68	19.58	6.24	39.24	1.84	11.67	19.40	-1.72	27.74	38.34	34.71	41.98	46.00	20.47	43.42	29.99
7	7.58	30.23	-4.34	2.63	86.69	43.86	57.44	29.72	25.07	15.34	-4.79	2.98	-1.74	31.93	28.56	44.34	10.30	3.79	13.78	34.82	0.90	-4.59	20.66
13	0.83	54.72	-9.44	-4.72	56.39	3.47	13.42	14.05	62.58	14.42	-0.10	1.91	-9.66	50.22	6.98	15.08	7.16	-9.05	5.56	9.55	-1.48	77.32	16.33
19	18.30	4.02	44.47	-26.79	-20.79	-12.09	21.83	14.15	26.90	-7.34	-0.11	2.17	-3.33	45.32	0.11	29.88	8.77	3.25	0.44	30.78	-1.59	33.89	9.65
21	0.73	-8.77	20.80	-1.00	-6.07	-1.36	16.94	-0.02	7.06	-16.74	1.38	2.55	-7.46	6.26	0.26	-13.00	21.78	3.13	0.19	-10.20	-0.30	-1.55	0.66
23	-4.93	-7.17	33.08	-28.23	-57.10	-39.38	23.77	1.00	-29.06	-22.67	0.62	-1.18	-31.38	-4.13	-42.78	-8.71	27.86	-0.36	-9.32	-31.67	-26.29	20.07	-10.82
25	9.81	41.99	36.63	21.74	-58.81	-53.98	41.49	29.52	27.10	17.10	-0.14	10.70	8.80	51.00	-0.47	53.76	24.47	10.85	14.36	29.59	-0.97	53.16	16.71
27	38.09	45.69	27.91	-16.68	27.95	-0.16	27.15	13.24	23.76	21.16	1.79	8.50	0.49	54.06	48.46	14.19	6.66	4.48	27.14	2.90	1.11	-4.47	16.97
29	-28.40	52.05	55.32	-0.61	85.82	-27.13	31.74	27.64	28.26	-27.35	-2.71	-0.09	-10.37	13.51	-2.29	57.51	33.51	6.95	28.02	37.35	15.13	72.88	20.31
32	39.38	57.51	-2.65	-52.12	33.64	-44.28	11.58	87.41	28.46	-4.10	20.07	-3.38	-8.01	36.56	11.43	0.08	10.91	5.19	14.16	22.68	-2.25	72.93	15.24
34	50.06	30.65	-33.19	-33.29	-56.31	6.65	39.19	30.51	27.44	-34.48	-6.31	-0.17	3.68	52.06	-18.96	44.13	30.65	-4.88	2.18	30.71	-6.50	68.11	10.09
37	8.86	2.46	-13.33	-2.81	-70.55	-5.31	26.84	29.48	27.54	-4.95	65.02	5.28	-13.21	-0.56	-5.15	1.00	5.69	9.56	-0.71	11.31	-9.30	27.49	4.30
39	6.88	34.35	-50.94	21.37	-18.54	-50.19	20.18	22.45	13.06	-17.56	-0.54	-7.03	-8.56	27.78	-8.65	7.44	-0.38	15.34	3.29	61.16	2.20	47.38	5.48
42	-32.11	6.47	-71.01	-11.93	-56.84	-48.21	20.76	13.89	4.14	-35.45	-0.36	-27.55	-31.27	18.33	8.60	0.46	13.92	-1.64	6.67	-17.32	-5.97	43.55	-9.22
44	6.18	40.94	-69.27	12.49	79.62	-17.63	23.62	13.81	16.51	-37.97	-0.40	5.12	-17.10	4.34	-0.36	14.91	12.56	6.43	15.01	26.84	-3.36	71.19	9.25

Motionless (time 2)

Loudspeaker	Listener																						Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	-0.03	9.41	0.96	-2.77	-0.87	1.19	2.01	12.60	19.59	0.40	0.41	3.43	-1.32	-10.98	0.07	1.18	1.86	5.83	0.55	6.31	-0.63	1.75	2.32
3	15.17	5.31	37.33	2.04	-0.09	0.93	11.95	13.03	29.21	12.88	1.03	4.40	29.40	4.17	-15.32	28.38	0.00	9.83	13.26	25.05	17.15	28.71	12.45
5	29.88	37.30	37.46	20.30	21.29	23.39	51.65	49.15	25.97	36.43	1.65	7.53	19.31	29.21	-0.05	39.00	2.58	43.60	43.24	40.84	38.54	42.46	29.12
7	43.02	22.65	42.15	14.45	-55.00	-41.24	14.03	30.06	26.33	1.35	-0.06	-47.42	-46.91	33.11	-43.79	30.92	57.10	15.87	29.83	28.40	10.81	80.73	11.20
13	12.24	71.84	4.99	-0.87	59.89	-40.90	13.88	12.80	25.03	11.35	0.12	4.11	-12.59	37.26	15.49	15.11	12.35	3.16	6.89	14.19	0.15	78.95	15.70
19	0.20	18.04	-51.00	16.90	0.71	-11.98	43.47	25.67	29.60	-31.57	0.10	4.39	2.08	-12.89	-1.21	0.02	-1.69	18.97	-2.93	56.99	0.21	29.21	6.06
21	1.54	2.63	14.69	0.29	-13.76	0.48	7.75	0.17	4.08	-0.58	0.55	0.54	-21.18	-11.92	-0.55	-6.26	0.93	7.62	-6.97	0.46	1.14	-2.03	-0.93
23	-5.45	11.64	-9.72	-30.12	-52.43	-11.55	29.85	1.87	-24.61	-29.17	0.58	-1.28	-38.14	-51.87	-46.49	-35.79	9.93	-1.43	-5.28	-26.36	-31.44	25.91	-14.61
25	-0.59	31.41	34.87	29.57	-73.83	-24.45	35.68	13.25	41.80	-37.95	-0.01	-11.56	-47.33	35.13	54.46	-2.05	13.77	2.27	7.99	51.95	-3.19	57.00	9.46
27	15.33	44.52	72.53	0.66	-47.16	15.23	23.16	14.32	29.80	14.81	0.05	3.00	0.69	-41.15	14.90	86.73	30.27	5.47	16.80	23.59	15.06	51.99	17.75
29	38.60	46.23	68.28	16.32	-15.77	-13.19	0.82	14.07	26.18	-31.38	-5.51	6.50	-12.16	-50.39	15.78	-14.91	29.07	14.26	14.29	30.45	64.36	73.81	14.35
32	-25.76	31.53	-3.21	20.48	-29.07	-10.12	46.56	41.55	26.10	-37.88	0.03	-11.76	7.64	-8.09	29.76	2.37	28.20	29.77	17.75	52.27	-0.47	86.91	13.39
34	32.91	26.54	63.33	-3.34	-55.30	-14.19	24.18	13.92	31.98	-35.71	-0.01	-13.29	-50.17	-28.82	-44.87	16.60	-15.36	13.11	16.08	35.00	-1.05	69.99	3.71
37	3.17	79.14	-51.14	-5.81	-1.36	-23.18	0.97	15.62	-4.90	-6.59	-0.14	-41.46	-5.46	-29.67	-15.61	0.82	-14.29	5.60	2.68	2.56	0.20	21.72	-3.05
39	9.44	22.31	-39.22	18.72	-51.27	-57.67	27.50	15.91	-0.28	-32.39	-3.09	-14.89	-15.94	0.64	-62.91	15.02	-1.60	18.39	5.98	69.82	0.37	10.76	-2.93
42	-34.08	-6.72	-70.94	-7.13	-41.86	-53.68	16.79	13.54	-14.90	-39.87	-0.05	-48.56	-43.32	-18.55	-60.20	0.54	1.41	3.30	14.42	-19.10	-8.62	26.72	-17.77
44	-33.33	24.53	-68.62	-0.42	72.76	35.41	14.07	13.68	9.30	-36.90	-0.44	4.79	-16.08	-38.72	3.87	0.44	27.22	6.96	6.74	53.77	-0.89	72.11	6.83

Rotation (time 1)

Loudspeaker	Listener																						Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	all listeners
1	0.35	-5.82	0.70	1.26	0.49	0.86	7.95	1.93	4.09	1.33	0.32	0.70	0.56	-0.04	0.30	2.29	3.41	0.21	-0.19	0.54	-0.49	0.71	0.98
3	1.03	26.65	28.24	11.99	2.33	15.78	6.28	32.33	27.66	16.15	0.41	0.73	12.45	15.96	1.14	13.72	16.08	26.58	15.70	11.65	6.93	15.43	13.87
5	50.48	23.73	47.77	27.39	34.84	52.52	47.54	56.23	39.62	30.17	44.74	41.40	42.87	38.24	47.98	50.68	48.05	56.55	55.94	55.23	38.68	45.05	44.35
7	-6.78	53.93	77.59	21.99	52.66	75.77	34.52	15.66	66.86	32.18	-3.11	75.19	82.77	34.99	-13.61	59.54	79.95	42.74	77.37	81.94	59.18	66.61	48.54
13	0.62	10.01	15.18	11.39	14.78	1.28	17.60	14.01	13.93	17.47	0.43	1.43	6.52	17.67	17.87	15.64	29.71	13.29	6.88	3.96	4.93	7.28	10.99
19	7.02	1.56	-3.95	-0.21	-15.10	-0.97	30.14	27.66	25.74	9.64	-2.40	-8.87	-1.61	1.26	0.39	-0.58	1.09	1.30	1.36	6.18	-6.94	3.94	3.48
21	1.68	28.99	0.14	2.06	-10.22	3.07	7.94	0.19	0.86	0.16	1.00	1.78	1.87	26.07	0.48	-10.08	2.41	0.32	0.50	-2.86	-9.81	2.55	2.23
23	-17.23	12.08	-21.45	-24.70	-41.54	3.68	14.73	-15.58	-33.22	-39.04	-0.50	-2.13	-29.83	26.72	-44.49	5.02	38.91	-11.38	-18.69	-23.07	-27.52	1.90	-11.24
25	28.18	34.58	81.64	28.63	-56.30	77.41	54.37	86.44	59.39	-38.26	73.70	-34.15	38.57	47.42	-59.27	86.05	57.76	83.57	84.81	76.89	26.27	30.68	39.47
27	32.81	28.60	27.39	14.05	28.81	1.61	29.07	14.33	26.87	16.95	-0.63	16.24	34.58	36.82	13.88	15.63	43.96	16.11	27.27	23.87	18.17	4.83	21.42
29	33.28	39.99	56.95	-6.27	42.39	36.96	54.15	42.31	29.73	16.79	-0.19	20.17	42.15	58.81	45.42	28.84	73.50	32.55	42.19	30.84	24.57	53.35	36.29
32	36.49	10.91	40.31	36.98	31.89	31.23	30.49	27.20	22.64	30.33	-2.50	1.73	48.00	47.00	30.02	46.17	41.82	43.53	43.04	51.15	-2.01	74.00	32.75
34	14.11	21.53	27.70	21.20	12.98	3.56	27.54	31.10	22.96	-0.20	-1.60	-22.13	13.85	14.20	-0.40	16.45	13.18	32.19	17.30	29.93	1.76	5.69	13.77
37	0.56	1.36	-2.49	-22.47	-1.73	-6.99	9.67	0.09	-12.22	-7.91	-3.33	-24.69	-38.03	-0.50	-2.30	0.58	-14.04	-7.35	-0.13	-7.04	-16.52	-4.20	-7.26
39	1.91	13.59	-8.98	10.78	15.15	-3.45	45.44	21.83	12.10	3.64	-6.16	-1.42	2.08	19.81	6.72	1.34	2.56	8.25	21.30	19.84	-7.90	-8.62	7.72
42	-35.69	12.00	-38.01	-40.60	-50.93	-28.26	-10.97	6.27	-32.60	-43.65	-0.38	-41.99	-52.40	-21.86	-52.58	-45.74	-0.88	-22.96	-3.41	-37.64	-22.92	-11.29	-26.20
44	-34.48	6.66	-17.66	-21.72	-29.61	-6.35	6.30	13.52	-5.28	-30.17	-0.78	7.36	-20.49	8.59	-8.44	-7.93	-14.36	-2.29	-5.87	-21.02	-10.93	-5.75	-9.12

Rotation (time 2)

Loudspeaker	Listener																						Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	1.63	-0.73	0.9	4.99	1.6	-1.69	3.82	1.88	-0.89	1.32	1.67	0.97	-0.05	1.01	-0.51	3.48	2.44	-0.44	1.42	-0.36	-1.55	6.36	1.24
3	9.27	23.33	36.16	-0.56	17.06	17.28	-1.44	23.13	26.57	-0.15	1.98	-0.17	26.67	15.98	0.34	12	27.18	0.62	12.45	26.55	12.2	16.79	13.78
5	37.07	46.68	54.34	13.03	43.71	45.96	50.7	57.46	43.77	43.24	40.24	58.73	41.88	53.82	29.5	55.48	31.77	41.57	58.43	57.5	40.09	45.18	45.01
7	82.3	38.26	85.69	-21.39	41.93	-58.69	41.84	16.18	70.67	73.6	84.64	67.75	80.17	57.23	68.47	-58.93	67.72	70.25	75.71	80.97	63.66	48.4	48.93
13	10.43	18.03	0.79	7.05	15.96	-1.02	14.97	13.23	7.08	13.62	-1.05	11.15	6.91	8.75	10.76	14.27	-0.36	-0.05	7.78	6.03	-0.24	15.2	8.15
19	1.41	25.91	-6.16	-1.95	0.06	-5.6	9.09	29.2	-1.38	-3.23	-7.43	0.27	-13.12	30.22	-2.15	1.66	-0.71	10.31	-3.25	3.53	-4.35	-1.13	2.78
21	1.63	12.99	0.40	-7.38	-28.38	-0.12	6.70	-13.30	-0.97	-0.52	-0.35	1.87	-7.87	-20.66	-2.62	5.87	4.21	-0.07	-2.83	-1.44	-3.80	1.36	-2.51
23	3.48	22.63	-25.86	-32.77	-53.92	-51.16	16.42	-35.89	-33.55	-40.70	-27.12	0.90	-50.03	-27.87	-38.44	-42.77	3.73	1.03	-6.43	-39.61	-33.18	22.37	-21.31
25	55.11	79.79	77.57	5.43	56.74	70.47	52.97	14.75	80.75	-43.09	83.39	-72.46	58.22	54.94	-56.43	66.50	85.66	79.39	74.18	82.94	-0.92	35.24	42.78
27	27.97	21.84	38.03	7.07	29.20	-17.22	11.92	13.30	9.01	17.88	-1.64	16.45	32.14	21.10	17.51	29.19	12.90	2.19	30.18	30.68	24.87	33.85	18.56
29	30.51	34.60	67.42	-17.03	44.09	48.33	41.55	42.24	37.71	41.09	46.63	34.47	57.37	13.85	44.08	58.48	29.48	34.41	47.31	52.33	25.34	49.17	39.25
32	34.60	39.05	56.64	54.97	26.81	32.19	-3.22	28.90	29.54	34.56	-4.49	5.44	30.40	6.30	0.30	15.19	1.94	23.54	45.11	31.90	3.72	70.06	25.61
34	14.74	30.49	25.79	28.05	13.76	32.89	28.65	29.64	2.08	27.48	-5.75	19.69	1.31	-8.44	-2.04	16.29	15.54	33.54	28.13	11.32	-0.12	6.93	15.91
37	2.34	7.13	-7.50	-24.41	-5.33	-26.21	0.44	-0.36	-14.66	-4.62	-5.74	-1.43	-24.28	-29.55	-2.78	-16.82	2.73	1.02	-1.09	-4.66	-5.45	-5.35	-7.57
39	0.32	19.52	-25.28	-7.89	18.36	-1.27	45.01	28.49	-3.55	10.08	-6.78	-0.55	0.99	32.88	-2.55	1.26	2.53	1.89	14.96	11.14	-9.45	-9.67	5.47
42	-37.16	21.42	-37.24	-40.68	-58.95	-33.49	-13.46	13.00	-35.14	-43.58	-0.94	-59.54	-54.51	-57.04	-60.39	-46.57	-12.79	-11.40	-8.51	-53.06	-22.89	-19.78	-30.58
44	-43.17	4.80	-24.25	-26.42	-30.12	-12.62	-0.16	13.90	-21.00	-43.69	-1.00	4.42	-22.90	5.75	-16.08	-14.89	-13.77	-2.04	-13.44	-14.96	-17.95	-9.72	-13.61

Appendix A: Data

Front-back errors — Experiment 8

Rotation 25 deg/sec 150 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
13	3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.17
13	4	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
13	6	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
19	1	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.58
19	2	1.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.50
19	3	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.33
19	4	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.33
19	5	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.33
19	6	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.33
Mean all loudspeakers		0.5	0.4	0.4	0.3	0.5	0.0	0.3	0.2	0.0	0.5	0.0	0.1	0.26

Rotation 25 deg/sec 200 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
19	1	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.50
19	2	1.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.50
19	3	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.42
19	4	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.33
19	5	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.33
19	6	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.42
Mean all loudspeakers		0.5	0.2	0.5	0.3	0.5	0.1	0.0	0.0	0.0	0.5	0.1	0.1	0.23

Rotation 25 deg/sec 250-ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
13	5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
19	1	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33
19	2	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
19	3	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.33
19	4	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.25
19	5	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.25
19	6	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
Mean all loudspeakers		0.5	0.3	0.3	0.2	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.16

Appendix A: Data

Rotation 25 deg/sec 300 ms

loudspeaker	time	Listener											Mean all listeners		
		1	2	3	4	5	6	7	8	9	10	11		12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.42
19	2	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.33
19	3	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.33
19	4	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.25
19	5	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
19	6	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.25
Mean all loudspeakers		0.5	0.1	0.1	0.3	0.5	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.16

Rotation 25 deg/sec 350 ms

loudspeaker	time	Listener											Mean all listeners		
		1	2	3	4	5	6	7	8	9	10	11		12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33
19	2	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.33
19	3	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
19	4	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
19	5	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.25
19	6	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.25
Mean all loudspeakers		0.5	0.2	0.1	0.2	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.14

Rotation 50 deg/sec 150 ms

loudspeaker	time	Listener											Mean all listeners		
		1	2	3	4	5	6	7	8	9	10	11		12	
13	1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	1.0	1.0	1.0	0.58
19	2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.33
19	3	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
19	4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
Mean all loudspeakers		0.1	0.2	0.1	0.0	0.3	0.0	0.0	0.1	0.1	0.3	0.2	0.2	0.2	0.12

Appendix A: Data

Rotation 50 deg/sec 200 ms

loudspeaker	time	Listener												Mean all listeners	
		1	2	3	4	5	6	7	8	9	10	11	12		
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	1.0	1.0	0.50	
19	2	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.42	
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
19	4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.17	
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.08	
Mean all loudspeakers		0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.10	

Rotation 50 deg/sec 250 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.50
19	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.08
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.05

Rotation 50 deg/sec 300 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	0.42
19	2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.17
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.05

Appendix A: Data

Rotation 50 deg/sec 350 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.25
19	2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.25
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.04

Motionless 150 ms

loudspeaker	time	Listener												Mean all listeners
		13	14	15	16	17	18	19	20	21	22	23	24	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	0.67
19	2	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	3	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	4	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	5	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	6	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
Mean all loudspeakers		0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0	0.5	0.2	0.39

Motionless 200 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.67
19	2	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	3	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	4	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	5	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	6	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
Mean all loudspeakers		0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.5	0.4	0.0	0.5	0.1	0.38

Appendix A: Data

Motionless 250 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	0.67
19	2	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	3	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	0.67
19	4	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	5	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	6	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
Mean all loudspeakers		0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.4	0.5	0.0	0.5	0.3	0.39

Motionless 300 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.08
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	0.67
19	2	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	3	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	4	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	5	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	6	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
Mean all loudspeakers		0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0	0.5	0.3	0.40

Motionless 350 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.17
13	2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.17
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.75
19	2	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	3	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.75
19	4	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	5	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.83
19	6	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.67
Mean all loudspeakers		0.5	0.5	0.5	0.4	0.5	0.5	0.1	0.5	0.5	0.2	0.5	0.3	0.42

Appendix A: Data

Rotation 100 deg/sec 150 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.17
19	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.02

Rotation 100 deg/sec 200 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
13	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.17
19	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
19	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
19	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.03

Rotation 100 deg/sec 250 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.08
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.08
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean all loudspeakers		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.01

Appendix A: Data

Actual rotation velocity — Experiment 8**Rotation 25 deg/sec 150 ms**

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	28.3	23.1	27.1	25.5	23.0	17.1	32.1	30.5	21.3	22.8	22.8	11.5	23.75
13	2	17.9	27.1	28.1	18.5	17.0	22.6	29.0	35.2	30.8	25.2	27.5	26.0	25.40
13	3	27.3	29.1	28.0	24.2	31.1	20.9	26.2	30.1	24.9	19.8	17.6	17.1	24.67
13	4	29.9	26.0	30.2	23.0	28.1	21.6	28.0	27.0	16.4	19.5	21.0	23.0	24.48
13	5	11.6	34.3	49.6	16.0	24.8	28.1	25.6	35.1	19.3	24.6	20.5	23.9	26.11
13	6	21.0	31.2	26.3	23.6	24.4	28.8	26.3	24.6	28.6	23.1	34.7	22.6	26.26
19	1	29.2	21.4	31.2	10.7	21.2	21.7	29.4	28.7	20.4	21.1	35.7	17.7	24.03
19	2	24.9	32.8	25.8	19.0	24.9	20.6	26.0	26.2	23.6	10.8	16.9	12.8	22.01
19	3	18.9	20.4	23.2	18.7	19.6	26.0	28.5	29.8	16.8	24.0	23.4	34.0	23.61
19	4	26.4	36.4	33.6	29.9	18.5	27.4	24.9	28.2	13.1	22.2	13.4	22.8	24.73
19	5	28.7	35.1	25.0	24.9	24.6	29.9	26.1	31.7	24.4	23.1	23.6	19.6	26.40
19	6	17.5	26.2	28.1	21.5	21.1	19.1	25.1	26.9	21.1	22.4	23.9	25.5	23.20
Mean all loudspeakers		23.5	28.6	29.7	21.3	23.2	23.7	27.3	29.5	21.7	21.5	23.4	21.4	24.55

Rotation 25 deg/sec 200 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	30.2	18.3	22.8	26.5	26.4	10.1	28.0	29.5	20.9	27.8	25.4	19.4	23.79
13	2	22.7	30.3	21.0	18.7	26.0	20.6	30.0	26.3	18.2	30.1	33.4	22.1	24.95
13	3	19.5	27.9	28.2	22.7	24.6	24.3	26.5	25.4	25.2	16.7	26.4	29.6	24.75
13	4	20.3	27.6	33.2	26.7	27.3	32.6	32.5	34.4	22.5	24.0	21.7	23.5	27.19
13	5	13.5	26.3	29.0	16.4	26.9	29.1	25.1	26.7	21.7	23.0	31.7	25.4	24.58
13	6	24.5	28.4	31.0	21.2	22.5	21.3	26.3	26.0	24.8	32.9	20.7	31.7	25.94
19	1	21.7	24.8	26.6	21.3	20.2	23.2	25.0	34.0	23.0	27.9	17.8	14.9	23.35
19	2	17.4	23.9	30.3	20.7	21.8	16.3	22.4	32.7	14.3	26.0	30.1	25.0	23.40
19	3	23.3	26.4	25.3	18.4	27.5	21.1	34.0	35.4	21.8	25.8	24.0	17.7	25.05
19	4	24.9	30.0	19.0	18.8	30.1	27.7	30.7	31.8	19.8	25.3	20.2	30.6	25.74
19	5	35.8	32.4	33.8	32.8	22.4	21.2	34.1	29.9	19.2	25.5	26.0	17.0	27.52
19	6	23.4	31.9	31.0	23.2	23.8	28.5	32.3	31.5	20.0	18.6	27.6	22.4	26.19
Mean all loudspeakers		23.1	27.4	27.6	22.3	25.0	23.0	28.9	30.3	20.9	25.3	25.4	23.3	25.20

Rotation 25 deg/sec 250-ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	23.7	25.5	25.1	28.2	23.1	23.7	33.4	24.8	27.3	25.7	18.6	21.9	25.09
13	2	22.2	30.3	26.7	21.9	22.3	27.7	31.1	29.4	23.3	23.2	29.3	24.7	26.01
13	3	20.1	27.0	20.4	20.1	23.9	25.2	31.9	30.1	22.5	26.6	23.8	22.5	24.49
13	4	22.2	23.0	25.9	48.3	26.8	23.8	37.9	28.0	29.8	26.1	23.7	18.7	27.84
13	5	25.1	29.3	34.0	21.7	25.0	31.0	38.1	23.3	22.0	18.6	18.1	31.7	26.49
13	6	28.7	17.3	27.7	19.4	17.7	22.6	29.3	34.3	25.4	20.3	23.1	26.6	24.36
19	1	20.8	27.2	27.2	33.9	20.2	23.8	31.0	27.2	23.8	22.7	21.6	19.9	24.94
19	2	22.3	22.3	28.9	25.4	24.9	28.9	27.3	32.2	24.5	22.8	22.7	18.7	25.06
19	3	33.6	29.3	20.5	31.7	28.8	22.0	27.8	25.5	19.8	22.3	16.3	24.3	25.14
19	4	26.1	24.9	33.8	24.3	26.6	27.1	32.9	29.6	22.8	24.1	17.4	30.9	26.72
19	5	26.2	30.8	28.7	40.1	21.1	13.8	25.1	31.4	29.9	24.4	21.9	19.7	26.09
19	6	22.4	33.9	21.9	28.9	28.0	25.0	26.1	25.8	26.2	21.4	28.5	23.2	25.93
Mean all loudspeakers		24.4	26.7	26.7	28.7	24.0	24.6	31.0	28.5	24.8	23.2	22.1	23.6	25.68

Appendix A: Data

Rotation 25 deg/sec 300 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	26.6	34.3	25.3	25.9	30.8	13.5	27.7	31.0	23.4	32.6	25.2	17.9	26.17
13	2	30.5	31.3	31.6	32.3	33.4	17.6	25.6	31.4	21.3	31.6	25.9	32.1	28.70
13	3	27.3	26.4	35.3	17.2	29.8	29.9	35.1	34.0	21.5	23.3	24.2	33.6	28.13
13	4	11.5	25.9	24.6	20.1	26.4	28.8	45.4	27.1	18.2	28.8	23.6	23.8	25.35
13	5	21.0	34.6	33.8	34.3	24.8	19.7	23.3	30.0	27.7	26.8	24.0	24.6	27.05
13	6	23.3	39.5	27.3	30.3	25.2	28.4	29.2	29.6	21.7	20.3	30.0	24.4	27.42
19	1	6.6	15.4	29.9	27.0	26.6	22.1	48.5	25.3	19.6	19.4	25.5	18.5	23.70
19	2	9.3	26.2	34.5	27.7	26.8	32.4	29.2	23.5	26.5	1.9	21.1	28.1	23.93
19	3	35.6	23.0	29.4	27.6	29.0	24.2	24.8	25.7	25.3	18.5	22.6	24.9	25.88
19	4	17.1	24.8	28.0	22.5	19.3	21.0	35.6	29.5	22.7	24.5	28.1	37.1	25.84
19	5	14.0	25.0	36.0	20.1	32.1	22.1	27.8	25.6	8.6	23.2	18.6	27.9	23.41
19	6	21.1	25.4	25.2	35.0	26.0	19.0	31.9	25.2	26.0	17.0	27.0	17.6	24.69
Mean all loudspeakers		20.3	27.6	30.0	26.7	27.5	23.2	32.0	28.2	21.9	22.3	24.6	25.9	25.86

Rotation 25 deg/sec 350 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	22.4	29.2	32.7	27.8	25.7	19.5	36.2	30.0	23.0	19.6	16.0	17.3	24.95
13	2	19.7	31.2	26.0	32.4	21.8	20.6	23.0	29.5	14.5	24.2	28.4	18.7	24.17
13	3	23.9	23.9	31.6	27.0	22.6	25.6	23.5	23.7	42.7	22.9	19.4	22.9	25.78
13	4	23.0	31.2	30.3	31.0	27.1	25.5	36.9	31.8	19.6	28.3	24.6	17.6	27.25
13	5	14.5	30.3	36.0	30.7	31.8	22.6	33.5	20.8	34.8	19.8	31.4	25.6	27.66
13	6	17.3	21.9	27.5	24.9	25.8	26.3	29.3	25.3	21.8	23.2	22.6	19.2	23.76
19	1	20.1	28.5	27.3	17.7	31.7	28.1	21.7	29.1	25.1	21.3	31.8	19.3	25.13
19	2	6.9	29.2	33.4	32.7	17.7	24.1	29.9	28.2	21.3	15.0	24.0	21.0	23.60
19	3	31.0	25.9	28.0	17.8	30.3	27.1	28.5	32.2	27.8	23.7	29.9	29.5	27.63
19	4	27.4	25.8	28.9	21.6	31.9	29.0	36.0	26.8	22.1	23.2	20.3	19.2	26.01
19	5	20.7	29.8	28.3	30.3	27.7	21.6	24.2	28.6	32.3	21.0	30.9	25.6	26.75
19	6	18.1	26.0	32.6	23.1	27.5	28.0	33.2	24.0	11.9	23.0	26.8	26.7	25.07
Mean all loudspeakers		20.4	27.7	30.2	26.4	26.8	24.8	29.7	27.5	24.7	22.1	25.5	21.9	25.65

Rotation 50 deg/sec 150 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	52.9	39.7	71.7	48.7	53.7	57.6	45.1	62.2	74.9	53.9	55.7	61.5	56.46
13	2	36.4	66.6	63.1	43.3	66.5	57.6	60.4	65.1	54.7	57.0	56.0	49.6	56.36
13	3	61.2	68.5	63.4	48.2	59.7	47.7	59.1	67.6	32.1	42.8	44.0	47.0	53.42
13	4	56.5	76.4	57.7	56.4	55.9	51.1	54.4	62.2	66.5	54.6	47.9	48.2	57.32
13	5	54.4	85.0	64.0	53.9	72.2	51.3	63.0	70.7	66.3	51.3	53.1	63.1	62.34
13	6	49.1	85.5	51.1	60.3	63.3	50.3	56.8	69.9	54.2	45.7	44.5	40.7	55.94
19	1	43.9	44.7	57.4	60.5	59.5	69.1	55.8	48.3	45.6	50.5	63.5	50.7	54.13
19	2	54.5	61.8	62.3	57.7	59.5	55.4	61.1	75.1	44.9	56.1	51.4	55.1	57.89
19	3	47.3	59.8	71.1	43.6	47.3	60.8	55.9	62.1	67.5	52.8	47.5	39.0	54.55
19	4	36.7	70.2	60.7	58.8	62.0	59.7	52.2	76.2	63.1	54.4	65.9	42.6	58.54
19	5	45.3	79.3	78.3	60.4	83.7	52.8	50.9	68.8	67.6	39.4	50.5	52.3	60.77
19	6	53.0	73.4	57.2	60.4	70.7	51.5	50.0	62.8	64.9	53.5	54.5	43.8	57.97
Mean all loudspeakers		49.3	67.6	63.2	54.4	62.8	55.4	55.4	65.9	58.5	51.0	52.9	49.5	57.14

Appendix A: Data

Rotation 50 deg/sec 200 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	47.5	60.0	63.2	72.4	61.9	55.5	58.8	58.7	50.4	53.0	49.0	50.0	56.70
13	2	67.1	43.4	67.3	55.4	56.5	52.6	71.7	72.3	61.7	52.6	49.6	53.4	58.62
13	3	53.5	62.4	58.7	49.0	70.3	52.3	58.9	69.4	56.8	61.2	51.8	46.7	57.57
13	4	51.0	76.0	67.9	48.4	71.3	50.3	61.2	60.5	51.1	66.1	46.4	50.6	58.39
13	5	51.2	83.1	47.8	75.7	50.7	49.2	62.2	62.6	80.8	53.6	40.1	53.3	59.19
13	6	51.9	65.6	53.2	42.0	64.9	50.0	57.3	62.1	50.6	42.1	49.3	46.0	52.91
19	1	54.7	59.9	64.2	44.1	63.8	58.5	64.9	54.7	64.0	65.9	47.1	48.5	57.52
19	2	58.4	69.0	70.3	47.9	73.5	46.8	60.1	72.8	72.2	59.4	60.4	40.8	60.97
19	3	52.1	60.6	45.9	56.9	64.4	48.7	57.7	65.7	56.0	48.8	48.3	24.3	52.45
19	4	60.9	63.7	62.5	56.4	46.6	50.8	58.8	64.9	68.1	52.5	54.5	48.4	57.33
19	5	48.4	76.0	53.9	51.2	72.2	51.3	52.3	71.1	74.6	43.7	60.9	35.5	57.61
19	6	53.7	67.8	58.0	39.1	58.8	60.4	60.3	57.3	42.3	49.0	53.0	41.6	53.45
Mean all loudspeakers		54.2	65.6	59.4	53.2	62.9	52.2	60.3	64.3	60.7	54.0	50.9	44.9	56.89

Rotation 50 deg/sec 250 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	52.3	57.0	60.4	48.9	57.9	41.4	74.6	80.3	52.0	40.9	53.2	49.9	55.73
13	2	47.9	65.6	69.4	54.7	49.7	50.6	60.9	65.5	65.7	62.7	64.5	57.4	59.54
13	3	47.9	77.1	55.7	63.8	72.8	53.7	56.1	59.7	44.8	56.4	50.0	55.3	57.77
13	4	51.9	69.3	64.9	60.1	60.5	45.2	66.3	72.7	51.3	57.2	60.4	46.9	58.90
13	5	55.1	73.2	56.5	70.0	82.8	55.2	57.7	74.1	59.7	51.0	55.7	46.1	61.42
13	6	47.5	73.2	59.0	60.3	87.2	53.5	67.8	59.8	61.2	49.7	49.2	56.7	60.42
19	1	41.3	57.7	62.7	57.4	40.6	60.2	58.7	62.1	58.4	43.8	57.4	63.1	55.27
19	2	51.5	68.9	59.7	46.7	64.4	53.8	62.8	79.2	55.1	68.4	53.1	49.9	59.46
19	3	57.6	78.6	58.6	70.6	66.6	56.5	59.0	58.1	49.2	52.7	54.0	51.5	59.41
19	4	54.2	69.8	58.0	71.4	63.6	53.4	53.4	69.6	50.7	46.5	45.6	46.6	56.90
19	5	56.8	71.3	57.6	58.9	64.1	59.5	48.5	64.7	70.7	43.4	47.1	13.5	54.67
19	6	58.8	71.0	59.2	33.3	66.3	57.1	58.1	64.7	70.7	46.6	52.9	36.4	56.24
Mean all loudspeakers		51.9	69.4	60.1	58.0	64.7	53.3	60.3	67.5	57.5	51.6	53.6	47.8	57.98

Rotation 50 deg/sec 300 ms

loudspeaker	time	Listener												Mean all listeners
		1	2	3	4	5	6	7	8	9	10	11	12	
13	1	36.1	49.4	56.9	72.5	65.7	47.8	69.9	68.2	56.6	44.7	36.0	53.8	54.79
13	2	57.4	55.0	61.7	97.4	70.0	58.1	60.6	75.1	62.5	58.0	57.0	52.2	63.75
13	3	52.1	70.6	73.3	61.4	77.0	57.4	54.9	66.8	56.8	47.5	48.3	51.0	59.75
13	4	56.5	76.8	69.2	69.1	80.4	48.5	66.2	74.7	72.7	54.4	63.9	57.2	65.80
13	5	45.8	69.0	60.3	47.9	75.0	52.9	54.2	74.9	71.0	51.3	54.5	85.0	61.81
13	6	59.3	60.6	61.2	61.5	55.6	49.4	58.5	67.1	81.5	48.0	46.3	57.4	58.85
19	1	47.4	48.1	60.4	59.4	53.2	67.1	60.5	65.8	49.7	44.0	36.0	50.1	53.48
19	2	52.5	53.4	74.3	54.7	68.5	46.8	59.5	75.9	56.6	68.7	48.4	53.7	59.40
19	3	67.5	57.7	60.3	54.2	67.0	47.0	59.5	50.8	65.1	59.1	57.1	43.8	57.42
19	4	51.0	75.8	75.9	54.6	42.7	44.6	55.2	82.3	65.4	59.8	63.2	58.7	60.76
19	5	53.1	77.0	56.6	69.5	93.0	47.7	61.5	67.1	62.2	61.7	53.5	71.4	64.51
19	6	55.0	61.3	59.7	45.9	57.3	50.4	59.2	63.3	78.4	51.3	48.5	45.3	56.29
Mean all loudspeakers		52.8	62.9	64.1	62.3	67.1	51.5	60.0	69.3	64.9	54.0	51.1	56.6	59.72

Front-back errors — Experiment 9**Rotation 100 deg/sec 400-ms**

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.13
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.01
All loudspeakers																	Grand Mean

Rotation 100 deg/sec 200-ms

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.19
34	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.06
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.03
All loudspeakers																	Grand Mean

Rotation 50 deg/sec 800-ms

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
All loudspeakers																	Grand Mean

Rotation 50 deg/sec 400-ms

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
34	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
All loudspeakers																	Grand Mean

Rotation Free 3000-ms (Time 1)

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
All loudspeakers																	Grand Mean

Rotation Free 3000-ms (Time 2)

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
32	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Mean	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01
All loudspeakers																	Grand Mean

Motionless 3000-ms (Time 1)

loudspeaker	Listener																Mean All listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.38
19	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.19
27	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.44
29	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	0.69
32	1.0	1.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.38
34	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.19
37	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.13
39	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.19
42	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.44
44	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.50
Mean	0.2	0.2	0.5	0.3	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.1	0.5	0.7	0.4	0.2	0.35
All loudspeakers																	Grand Mean

Motionless 3000-ms (Time 2)

loudspeaker	Listener																Mean All listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
13	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.31
19	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.25
27	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.44
29	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.44
32	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
34	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.31
37	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.13
39	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.31
42	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.38
44	0.0	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.31
Mean	0.1	0.1	0.3	0.3	0.5	0.5	0.3	0.3	0.4	0.4	0.3	0.1	0.7	0.5	0.1	0.1	0.31
All loudspeakers																	Grand Mean

Rotation 50 deg/sec 800-ms

loudspeaker	Listener																Mean all listeners	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
7	73.4	-65.8	4.5	-41.2	64.0	76.5	2.8	38.4	-78.0	78.2	30.5	61.2	-9.0	74.7	-48.1	87.0	21.81	
13	37.3	-9.7	5.1	0.4	21.1	6.0	2.0	-16.9	17.7	12.4	3.2	2.6	5.0	8.6	12.3	-6.3	6.29	
19	-0.5	-6.5	-19.5	-24.4	-3.2	-34.2	-35.8	-8.2	-23.0	-10.2	7.1	-10.6	-11.6	-1.7	-19.0	-31.9	-14.57	
25	64.6	-57.9	-19.9	-25.5	38.7	70.5	33.1	-67.5	-73.4	66.7	19.3	-40.4	34.3	69.7	16.2	-8.7	7.48	
27	49.3	20.9	17.4	2.3	36.2	15.4	2.1	7.9	23.2	45.5	30.4	3.3	6.6	1.9	34.1	17.6	19.63	
29	42.1	31.2	1.1	-25.1	38.8	10.6	-16.2	3.4	82.1	45.4	51.1	20.1	4.7	4.3	32.0	-42.6	17.68	
32	4.8	7.9	-20.5	-43.3	24.3	-0.1	-10.6	-10.0	-62.5	28.2	19.2	15.5	2.9	27.2	25.5	-33.2	-1.54	
34	3.1	-6.8	-21.2	-21.6	6.5	-5.6	-21.9	-8.7	-31.8	-38.8	6.6	-17.4	-7.8	8.9	-6.9	-13.7	-11.06	
37	0.2	-17.0	-34.2	-8.4	-4.0	-37.1	-22.5	-12.6	-17.5	-5.0	8.1	-20.5	-14.2	1.5	-8.3	-26.5	-13.63	
39	1.3	-7.1	-7.0	-52.9	-5.9	-34.1	-12.1	-12.9	-74.2	-46.6	23.5	-0.9	-15.9	-9.2	-3.1	-18.6	-17.24	
42	48.7	-53.3	-44.1	-15.7	-48.2	-19.2	-22.5	-44.0	-53.5	-27.9	-41.1	-43.5	-20.2	-53.4	0.8	-61.2	-31.13	
44	47.2	15.6	0.7	3.4	-31.7	-9.8	-14.1	-17.4	-11.1	-25.6	-26.0	2.2	4.0	-37.0	17.1	-31.9	-7.15	
Mean all loudspeakers	31.0	-12.4	-11.5	-21.0	11.4	3.2	-9.7	-12.4	-25.2	10.2	11.0	-2.4	-1.8	8.0	4.4	-14.2	-1.95	Grand Mean

Rotation 50 deg/sec 400-ms

loudspeaker	Listener																Mean all listeners	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
7	52.0	66.8	0.9	-35.8	63.2	-3.4	22.5	-49.5	-58.9	63.2	64.9	25.7	-12.3	49.1	-22.2	45.5	16.98	
13	49.4	14.4	3.9	4.4	15.5	4.8	4.3	7.0	21.2	17.2	-9.3	0.8	4.1	-4.1	12.0	-12.3	8.33	
19	-3.7	-4.7	-22.4	-31.9	11.1	-15.2	-34.1	-12.3	-51.1	-25.2	6.6	-18.1	-23.9	-10.5	-22.3	-37.3	-18.43	
25	-62.4	-58.9	20.2	-25.4	66.2	55.4	39.9	-62.9	-76.8	36.2	60.7	-2.0	35.2	-30.2	-24.3	-59.5	-5.54	
27	42.4	17.3	2.6	6.5	31.9	10.3	7.6	1.4	20.2	-25.6	34.3	5.1	4.7	4.0	15.5	-35.6	8.90	
29	51.7	19.9	3.6	1.4	24.0	19.9	-15.8	7.6	22.1	26.4	46.6	15.4	14.0	-23.6	13.4	-29.1	12.34	
32	1.1	-21.0	-5.5	-42.1	20.0	-11.2	11.6	-19.3	-67.2	27.5	45.0	-7.2	6.8	19.0	17.9	-20.0	-2.78	
34	-7.8	18.3	-21.5	-48.5	24.3	-5.9	-20.5	-5.3	-17.3	15.0	6.2	-19.7	-7.0	7.9	6.7	-21.0	-6.01	
37	-1.2	2.9	-15.9	-5.4	-1.7	-21.2	-29.6	-20.3	-35.2	-4.6	6.1	-9.7	-21.9	-7.4	-18.1	-22.3	-12.85	
39	-0.7	-2.9	-17.3	-32.6	-3.8	-26.4	-37.3	-18.2	-55.4	3.1	30.7	-20.1	-4.6	-1.5	-3.0	-19.8	-13.11	
42	-64.0	-72.7	-26.2	-27.2	-15.0	-23.1	-29.0	-8.6	-40.4	-24.9	-38.2	-8.7	-10.8	-53.2	7.8	-55.4	-30.61	
44	67.0	-10.0	-13.5	-11.3	20.5	0.2	-24.3	-1.5	-26.1	-18.1	-12.6	0.4	-8.5	-24.8	14.3	-24.0	-4.51	
Mean all loudspeakers	10.3	-2.5	-7.6	-20.7	21.3	-1.3	-8.7	-15.2	-30.4	7.5	20.1	-3.2	-2.0	-6.3	-0.2	-24.2	-3.94	Grand Mean

Rotation Free 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	80.5	21.0	79.0	-68.5	85.3	82.4	-55.3	35.1	-81.8	79.3	81.7	67.2	56.1	74.7	53.5	72.9	41.45
13	33.1	16.8	20.1	12.0	19.3	2.7	4.0	10.1	23.7	29.8	16.2	3.1	5.9	14.7	18.3	8.4	14.88
19	-4.4	-12.5	-6.0	-10.0	-5.6	-8.3	-1.2	-6.0	-7.7	11.1	20.1	-9.3	-16.3	6.2	-7.6	12.5	-2.80
25	76.0	-78.3	55.5	-70.5	84.5	58.9	46.6	70.2	-69.1	44.2	41.4	65.0	-71.3	85.2	15.8	-69.5	17.78
27	23.7	21.0	15.3	11.4	32.0	19.2	31.5	26.9	21.9	34.1	9.6	17.4	36.5	34.1	27.5	10.7	23.30
29	57.1	4.7	30.0	57.9	57.1	25.6	48.7	55.2	78.6	-43.6	44.4	50.8	41.5	66.6	34.1	50.7	41.20
32	86.8	33.5	51.0	24.4	22.4	20.6	46.1	9.7	81.6	48.2	29.3	44.6	37.5	38.6	24.2	46.4	40.31
34	4.0	2.4	6.9	-11.1	21.2	-7.6	28.3	-3.4	18.1	3.2	13.1	-5.1	17.9	4.8	-3.5	-2.8	5.39
37	-7.3	-25.3	-9.9	-8.2	-7.1	-7.3	-13.7	-7.6	-22.5	-40.7	8.2	-34.6	-23.8	-8.0	-7.1	-56.8	-16.96
39	-6.1	15.8	-5.8	10.3	3.4	20.4	-9.3	-8.1	-68.5	-4.3	18.0	6.2	-12.0	5.4	22.0	-6.0	-1.17
42	-59.6	-52.4	-41.1	-49.0	-43.5	-29.1	-38.1	-54.3	-49.6	-38.7	-38.1	-43.2	-36.6	-31.1	-63.9	-58.1	-45.40
44	-43.3	-13.3	-11.4	-13.9	-14.7	-14.7	-26.2	0.7	-24.8	-14.6	27.9	-7.3	-17.5	7.6	-0.3	-32.5	-12.40
Mean all loudspeakers	20.0	-5.6	15.3	-9.6	21.2	13.6	5.1	10.7	-8.3	9.0	22.6	12.9	1.5	24.9	9.4	-2.0	8.80 Grand Mean

Rotation Free 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	64.8	-61.3	72.5	-80.7	88.1	73.5	68.8	79.2	-78.0	84.6	69.4	88.3	19.8	86.5	65.7	69.3	44.41
13	35.0	16.1	18.8	11.6	14.9	5.6	-0.1	15.0	19.1	16.3	19.0	4.7	9.4	21.0	19.2	3.9	14.33
19	-1.8	-8.5	-6.0	-24.3	-2.0	-4.6	-8.1	-5.8	-5.4	10.8	-3.8	-10.3	-1.1	8.0	-9.6	-6.1	-4.91
25	-3.6	-72.9	80.7	-74.4	67.5	83.5	-74.2	-66.0	-71.4	78.6	31.7	-59.6	-48.6	87.9	16.0	-61.7	-5.41
27	49.5	17.5	18.6	9.3	21.7	18.5	28.8	21.2	30.8	40.4	33.5	21.1	32.7	18.5	24.6	15.6	25.14
29	50.8	-69.3	39.5	84.6	63.1	26.8	42.9	47.2	85.3	51.3	38.2	46.4	43.2	76.7	-34.5	57.8	40.60
32	81.0	20.6	37.6	-69.1	20.9	-0.9	57.1	16.5	45.6	58.0	3.3	26.2	29.5	41.2	4.3	57.1	26.81
34	3.3	-3.4	28.5	-13.8	21.7	-9.0	6.5	9.1	1.5	-0.9	8.2	17.6	2.4	6.7	7.8	5.7	5.74
37	-3.1	-22.0	-26.3	-24.4	-21.7	-22.6	-17.1	-5.5	-13.8	-4.0	-7.1	-16.8	-15.6	-7.1	-11.2	-7.9	-14.13
39	-31.3	27.4	22.0	2.5	5.7	-5.5	16.5	-2.2	23.7	27.5	-15.7	0.1	1.0	6.5	-5.9	36.3	6.78
42	-61.9	-54.2	-59.1	-39.6	-41.7	-36.2	-44.0	-55.8	-58.5	-35.5	-51.0	-48.2	-44.7	-53.6	-46.1	-55.5	-49.09
44	-62.4	-2.6	1.7	-7.0	-16.0	-12.9	-23.5	-25.0	-17.8	-13.3	-28.7	-10.4	-11.1	-19.3	-3.5	-26.6	-17.39
Mean all loudspeakers	10.0	-17.7	19.0	-18.8	18.5	9.7	4.5	2.3	-3.2	26.1	8.1	4.9	1.4	22.8	2.2	7.3	6.07 Grand Mean

Motionless 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	69.5	33.2	7.0	-25.7	6.0	13.8	20.9	-37.1	21.4	-60.6	54.2	-4.9	-18.4	-46.8	41.0	6.9	5.02
13	66.8	-70.2	-19.2	-10.7	11.4	2.0	-13.0	-57.9	87.9	-60.6	74.9	-10.8	4.8	3.8	9.1	46.7	4.06
19	-64.2	-8.7	-7.2	-10.4	12.4	-5.6	-21.9	-12.0	-33.8	46.9	6.6	-9.6	6.1	-59.5	-4.8	-3.2	-10.55
25	65.1	6.2	34.4	-24.9	20.4	80.3	19.8	-49.7	-75.5	66.2	79.3	-38.3	5.3	-11.0	48.8	-53.5	10.80
27	79.7	72.5	-4.2	-12.9	-3.1	6.8	0.5	-11.4	79.6	72.4	64.0	4.0	-11.5	4.2	48.0	-33.7	22.18
29	70.4	12.1	-5.5	-12.8	-14.8	-3.6	7.6	-32.2	59.8	-58.8	7.8	4.0	-19.3	-22.0	-3.6	49.8	2.44
32	69.4	13.6	22.2	-10.8	13.2	88.2	-10.9	-39.6	-57.3	72.0	50.2	-26.1	-23.9	-61.9	-33.5	-53.9	0.68
34	-4.4	-4.2	40.2	-10.1	-4.5	4.2	15.6	-8.2	-8.1	39.2	8.4	-8.6	-5.1	-76.9	46.7	-61.9	-2.35
37	-6.0	6.9	-35.6	-23.2	-3.1	-4.7	-1.8	-3.3	-5.5	15.4	7.3	-9.4	-23.6	-74.3	-48.3	-43.5	-15.80
39	-5.5	-16.8	23.6	-32.0	-8.8	-6.7	-12.1	-43.4	-5.0	57.7	31.0	-44.6	-10.1	-34.5	-40.4	28.3	-7.44
42	-59.2	8.2	-50.1	-24.6	-18.1	2.7	-24.7	-64.8	-54.1	-7.4	50.6	-44.3	-23.4	-69.3	-63.4	-49.4	-30.70
44	-65.4	-58.4	-6.2	-24.5	7.6	19.8	-11.1	2.5	-58.1	57.3	6.7	-41.8	-2.6	-10.4	32.0	-55.0	-12.98
Mean all loudspeakers	18.0	-0.5	0.0	-18.6	1.5	16.4	-2.6	-29.7	-4.1	20.0	36.7	-19.2	-10.1	-38.2	2.6	-18.5	-2.89 Grand Mean

Motionless 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	68.0	15.1	39.2	-10.8	0.9	-3.7	-6.2	-10.7	-78.8	49.9	30.5	-57.9	3.5	-47.0	-50.1	53.6	-0.30
13	4.1	13.8	47.6	-7.6	9.6	84.2	8.8	12.6	78.3	-44.3	-36.4	4.9	19.1	61.5	5.0	-52.4	13.06
19	-65.8	-9.9	-7.9	-19.7	22.3	-6.6	-25.8	-6.4	6.6	-9.6	21.7	-49.2	-9.5	-30.7	6.8	-3.4	-11.69
25	65.1	-5.3	65.4	-8.1	78.2	75.9	-5.3	-4.6	-75.9	67.9	63.2	-38.6	11.6	-20.2	45.2	55.0	23.10
27	3.9	17.2	-63.5	-11.6	11.9	86.6	-22.6	-26.8	87.0	80.2	33.6	-11.8	-1.2	-57.4	49.3	-27.5	9.20
29	66.5	13.0	-56.2	-12.2	38.6	-21.8	-28.6	0.7	-69.1	-57.1	24.6	-50.1	4.2	81.4	44.3	11.1	-0.67
32	-5.9	8.7	-19.0	-11.1	-17.4	-6.0	-9.9	-13.8	-74.1	-47.9	21.5	38.3	-14.5	23.4	-46.5	-2.5	-11.03
34	-6.0	-6.3	-34.6	-9.3	5.5	-6.5	7.5	-3.4	-39.7	46.7	51.7	-32.4	5.0	-66.7	-22.3	-4.0	-7.17
37	-6.9	-10.3	-8.8	-22.5	-21.6	-8.7	-10.7	-24.1	-20.2	55.6	7.5	-19.1	-10.9	-75.2	-18.4	-59.2	-15.85
39	-6.0	21.1	-51.1	-37.3	-20.3	75.5	-0.1	-26.5	52.0	-61.9	-33.0	-32.8	3.4	-75.7	19.1	-50.0	-13.97
42	-64.5	-67.2	-64.0	-10.6	-33.8	-13.1	-26.5	-39.9	-42.1	54.9	23.3	-55.7	-14.3	-65.0	-26.3	-60.3	-31.57
44	68.0	-0.5	-34.9	-11.5	-2.3	84.2	-25.3	-8.5	-74.9	69.1	-54.6	-27.4	-7.7	-47.9	-54.0	-60.4	-11.79
Mean all loudspeakers	10.0	-0.9	-15.7	-14.4	6.0	28.3	-12.1	-12.6	-20.9	17.0	12.8	-27.6	-0.9	-26.6	-4.0	-16.7	-4.89 Grand Mean

Rotation 50 deg/sec 800-ms

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	16.6	155.8	85.5	131.2	26.0	13.5	87.2	51.6	168.0	11.8	59.5	28.8	99.0	15.3	138.1	3.1	68.19
13	37.3	9.7	5.1	0.4	21.1	6.0	2.0	16.9	17.7	12.4	3.2	2.6	5.0	8.6	12.3	6.3	10.41
19	0.5	6.5	19.5	24.4	3.2	34.2	35.8	8.2	23.0	10.2	7.1	10.6	11.6	1.7	19.0	31.9	15.45
25	154.6	32.1	70.1	64.5	128.7	160.5	123.1	22.5	16.6	156.7	109.3	49.6	124.3	159.7	106.2	81.3	97.48
27	19.3	9.2	12.6	27.7	6.2	14.6	27.9	22.1	6.8	15.5	0.4	26.7	23.4	28.1	4.1	12.4	16.06
29	17.9	28.8	58.9	85.1	21.2	49.5	76.2	56.6	22.1	14.6	8.9	39.9	55.3	55.7	28.1	102.6	45.09
32	55.2	52.1	80.5	103.3	35.7	60.1	70.6	70.0	122.5	31.8	40.8	44.5	57.1	32.8	34.5	93.2	61.54
34	26.9	36.8	51.2	51.6	23.5	35.6	51.9	38.7	61.8	68.8	23.4	47.4	37.8	21.1	36.9	43.7	41.06
37	30.2	13.0	4.2	21.7	26.0	7.1	7.5	17.4	12.5	25.0	38.1	9.5	15.8	31.5	21.7	3.5	17.79
39	61.3	52.9	53.0	7.1	54.1	25.9	47.9	47.1	14.2	13.4	83.5	59.1	44.1	50.8	57.0	41.4	44.53
42	108.7	6.7	15.9	44.3	11.8	40.8	37.5	16.0	6.5	32.1	18.9	16.6	39.8	6.6	60.8	1.2	29.02
44	77.2	45.6	30.7	33.4	1.7	20.2	15.9	12.6	18.9	4.4	4.0	32.2	34.0	7.0	47.1	1.9	24.17
Mean all loudspeakers	50.5	37.4	40.6	49.5	29.9	39.0	48.6	31.6	40.9	33.1	33.1	30.6	45.6	34.9	47.1	35.2	39.23 Grand Mean

Rotation 50 deg/sec 400-ms

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	38.0	23.2	89.1	125.8	26.8	93.4	67.5	139.5	148.9	26.8	25.2	64.3	102.3	40.9	112.2	44.5	73.02
13	49.4	14.4	3.9	4.4	15.5	4.8	4.3	7.0	21.2	17.2	9.3	0.8	4.1	4.1	12.0	12.3	11.54
19	3.7	4.7	22.4	31.9	11.1	15.2	34.1	12.3	51.1	25.2	6.6	18.1	23.9	10.5	22.3	37.3	20.65
25	27.6	31.1	110.2	64.6	156.2	145.4	129.9	27.1	13.2	126.2	150.7	88.0	125.2	59.8	65.8	30.5	84.46
27	12.4	12.7	27.4	23.5	1.9	19.7	22.4	28.6	9.9	55.6	4.3	24.9	25.3	26.0	14.5	65.6	23.42
29	8.3	40.1	56.4	58.6	36.0	40.1	75.8	52.5	37.9	33.6	13.4	44.7	46.0	83.6	46.6	89.1	47.66
32	58.9	81.0	65.5	102.1	40.0	71.2	48.4	79.3	127.2	32.5	15.0	67.2	53.2	41.0	42.2	80.0	62.78
34	37.8	11.7	51.5	78.5	5.7	35.9	50.5	35.3	47.3	15.1	23.8	49.7	37.0	22.1	23.3	51.0	36.01
37	28.8	32.9	14.1	24.6	28.3	8.8	0.4	9.7	5.2	25.4	36.1	20.3	8.1	22.6	11.9	7.7	17.79
39	59.3	57.1	42.7	27.4	56.2	33.6	22.7	41.8	4.6	63.1	90.7	39.9	55.5	58.5	57.0	40.2	46.89
42	4.0	12.7	33.8	32.8	45.0	36.9	31.0	51.4	19.6	35.1	21.8	51.3	49.2	6.8	67.8	4.6	31.49
44	97.0	20.0	16.5	18.8	50.5	30.2	5.7	28.5	3.9	11.9	17.4	30.4	21.5	5.2	44.3	6.0	25.49
Mean all loudspeakers	35.4	28.5	44.5	49.4	39.4	44.6	41.1	42.7	40.8	39.0	34.5	41.6	45.9	31.7	43.3	39.1	40.10 Grand Mean

Rotation Free 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	9.5	69.0	11.0	158.5	4.8	7.6	145.3	54.9	171.8	10.7	8.3	22.8	33.9	15.3	36.5	17.1	48.55
13	33.1	16.8	20.1	12.0	19.3	2.7	4.0	10.1	23.7	29.8	16.2	3.1	5.9	14.7	18.3	8.4	14.88
19	4.4	12.5	6.0	10.0	5.6	8.3	1.2	6.0	7.7	11.1	20.1	9.3	16.3	6.2	7.6	12.5	9.04
25	166.0	11.7	145.5	19.5	174.5	148.9	136.6	160.2	20.9	134.2	131.4	155.0	18.8	175.2	105.8	20.5	107.78
27	6.3	9.0	14.7	18.6	2.0	10.8	1.5	3.1	8.1	4.1	20.4	12.6	6.5	4.1	2.5	19.3	8.97
29	2.9	55.3	30.0	2.2	2.9	34.4	11.3	4.8	18.6	103.6	15.6	9.2	18.5	6.6	25.9	9.3	21.94
32	26.8	26.5	9.1	35.6	37.6	39.4	13.9	50.3	21.6	11.8	30.7	15.4	22.5	21.4	35.8	13.6	25.74
34	26.0	27.6	23.1	41.1	8.9	37.6	1.7	33.4	11.9	26.8	16.9	35.1	12.1	25.2	33.5	32.8	24.61
37	22.7	4.7	20.1	21.8	22.9	22.7	16.3	22.4	7.5	10.7	38.2	4.6	6.2	22.1	23.0	26.8	18.29
39	53.9	75.8	54.2	70.3	63.4	80.4	50.7	51.9	8.5	55.7	78.0	66.2	48.0	65.4	82.0	54.0	59.89
42	0.4	7.6	18.9	11.0	16.5	30.9	21.9	5.7	10.4	21.3	21.9	16.8	23.4	28.9	3.9	1.9	15.09
44	13.3	16.7	18.6	16.1	15.3	15.3	3.8	30.7	5.2	15.4	57.9	22.7	12.5	37.6	29.7	2.5	19.58
Mean all loudspeakers	30.4	27.8	30.9	34.7	31.1	36.6	34.0	36.1	26.3	36.3	37.9	31.1	18.7	35.2	33.7	18.2	31.20 Grand Mean

Rotation Free 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	25.2	151.3	17.5	170.7	1.9	16.5	21.2	10.8	168.0	5.4	20.6	1.7	70.2	3.5	24.3	20.7	45.59
13	35.0	16.1	18.8	11.6	14.9	5.6	0.1	15.0	19.1	16.3	19.0	4.7	9.4	21.0	19.2	3.9	14.35
19	1.8	8.5	6.0	24.3	2.0	4.6	8.1	5.8	5.4	10.8	3.8	10.3	1.1	8.0	9.6	6.1	7.25
25	86.4	17.1	170.7	15.6	157.5	173.5	15.8	24.0	18.6	168.6	121.7	30.4	41.4	177.9	106.0	28.3	84.59
27	19.5	12.5	11.4	20.7	8.3	11.5	1.2	8.9	0.8	10.4	3.5	9.0	2.7	11.5	5.4	14.4	9.48
29	9.2	129.3	20.5	24.6	3.1	33.2	17.2	12.9	25.3	8.8	21.9	13.6	16.8	16.7	94.5	2.3	28.09
32	21.0	39.4	22.4	129.1	39.1	60.9	2.9	43.5	14.4	2.0	56.7	33.8	30.5	18.8	55.7	2.9	35.81
34	26.8	33.4	1.5	43.8	8.3	39.0	23.5	20.9	28.5	30.9	21.8	12.4	27.6	23.3	22.2	24.3	24.26
37	27.0	8.0	3.7	5.6	8.3	7.4	12.9	24.5	16.3	26.0	22.9	13.2	14.4	23.0	18.8	22.1	15.87
39	28.7	87.4	82.0	62.5	65.7	54.5	76.5	57.9	83.7	87.5	44.3	60.1	61.0	66.5	54.1	96.3	66.78
42	1.9	5.9	1.0	20.4	18.4	23.8	16.0	4.2	1.6	24.5	9.0	11.8	15.3	6.4	13.9	4.5	11.14
44	32.4	27.4	31.7	23.1	14.0	17.1	6.6	5.0	12.2	16.7	1.3	19.6	19.0	10.7	26.5	3.4	16.65
Mean all loudspeakers	26.2	44.7	32.3	46.0	28.4	37.3	16.8	19.4	32.8	34.0	28.9	18.4	25.8	32.3	37.5	19.1	29.99 Grand Mean

Motionless 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	20.5	56.8	83.0	115.7	84.0	76.3	69.1	127.1	68.6	150.6	35.8	94.9	108.4	136.8	49.0	83.1	84.98
13	66.8	70.2	19.2	10.7	11.4	2.0	13.0	57.9	87.9	60.6	74.9	10.8	4.8	3.8	9.1	46.7	34.36
19	64.2	8.7	7.2	10.4	12.4	5.6	21.9	12.0	33.8	46.9	6.6	9.6	6.1	59.5	4.8	3.2	19.56
25	155.1	96.2	124.4	65.1	110.4	170.3	109.8	40.3	14.5	156.2	169.3	51.7	95.3	79.0	138.8	36.5	100.80
27	49.7	42.5	34.2	42.9	33.1	23.2	29.5	41.4	49.6	42.4	34.0	26.1	41.5	25.8	18.0	63.7	37.35
29	10.4	47.9	65.5	72.8	74.8	63.6	52.4	92.2	0.2	118.8	52.3	56.0	79.3	82.0	63.6	10.2	58.86
32	9.4	46.4	37.8	70.8	46.8	28.2	70.9	99.6	117.3	12.0	9.8	86.1	83.9	121.9	93.5	113.9	65.53
34	34.4	34.2	10.2	40.1	34.5	25.8	14.4	38.2	38.1	9.2	21.6	38.6	35.1	106.9	16.7	91.9	36.86
37	24.0	36.9	5.6	6.8	26.9	25.3	28.2	26.7	24.5	45.4	37.3	20.6	6.4	44.3	18.3	13.5	24.42
39	54.5	43.2	83.6	28.0	51.2	53.3	47.9	16.7	55.0	117.7	91.0	15.4	49.9	25.5	19.6	88.3	52.56
42	0.8	68.2	9.9	35.4	41.9	62.7	35.3	4.8	5.9	52.6	110.6	15.7	36.7	9.3	3.4	10.6	31.47
44	35.4	28.4	23.8	5.5	37.6	49.8	18.9	32.5	28.1	87.3	36.7	11.8	27.4	19.6	62.0	25.0	33.09
Mean all loudspeakers	43.8	48.3	42.0	42.0	47.1	48.8	42.6	49.1	43.6	75.0	56.7	36.4	47.9	59.5	41.4	48.9	48.32 Grand Mean

Motionless 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	22.0	74.9	50.8	100.8	89.1	93.7	96.2	100.7	168.8	40.1	59.5	147.9	86.5	137.0	140.1	36.4	90.30
13	4.1	13.8	47.6	7.6	9.6	84.2	8.8	12.6	78.3	44.3	36.4	4.9	19.1	61.5	5.0	52.4	30.64
19	65.8	9.9	7.9	19.7	22.3	6.6	25.8	6.4	6.6	9.6	21.7	49.2	9.5	30.7	6.8	3.4	18.85
25	155.1	84.7	155.4	81.9	168.2	165.9	84.7	85.4	14.2	157.9	153.2	51.5	101.6	69.8	135.2	145.0	113.10
27	26.1	12.8	93.5	41.6	18.2	56.6	52.6	56.8	57.0	50.2	3.6	41.8	31.2	87.4	19.3	57.5	44.12
29	6.5	47.0	116.2	72.2	21.4	81.8	88.6	59.3	129.1	117.1	35.4	110.1	55.8	21.4	15.7	48.9	64.15
32	65.9	51.3	79.0	71.1	77.4	66.0	69.9	73.8	134.1	107.9	38.5	21.7	74.5	36.6	106.5	62.5	71.03
34	36.0	36.3	64.6	39.3	24.5	36.5	22.5	33.4	69.7	16.7	21.7	62.4	25.0	96.7	52.3	34.0	41.97
37	23.1	19.7	21.2	7.5	8.4	21.3	19.3	5.9	9.8	85.6	37.5	11.0	19.1	45.2	11.6	29.2	23.45
39	54.0	81.1	8.9	22.7	39.7	135.5	59.9	33.5	112.0	1.9	27.0	27.2	63.4	15.7	79.1	10.0	48.22
42	4.5	7.2	4.0	49.4	26.2	46.9	33.5	20.1	17.9	114.9	83.3	4.3	45.7	5.0	33.7	0.3	31.06
44	98.0	29.5	4.9	18.5	27.7	114.2	4.7	21.5	44.9	99.1	24.6	2.6	22.3	17.9	24.0	30.4	36.54
Mean all loudspeakers	46.8	39.0	54.5	44.4	44.4	75.8	47.2	42.5	70.2	70.4	45.2	44.5	46.1	52.1	52.4	42.5	51.12 Grand Mean

Actual rotation velocity — Experiment 9**Rotation 100 deg/sec 400-ms**

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	195.4	102.3	188.6	149.6	189.5	133.7	93.0	183.8	162.4	193.4	181.8	157.8	149.8	198.9	211.2	175.0	166.64
13	157.7	157.0	118.0	159.8	200.6	158.8	128.8	189.4	183.0	209.6	160.8	143.4	133.1	216.4	224.2	160.2	168.81
19	188.1	154.4	149.0	141.7	196.6	130.3	117.7	163.9	200.5	211.6	157.8	146.5	152.2	219.9	196.2	161.8	168.01
25	202.6	111.8	139.6	132.6	204.6	145.4	104.4	158.4	137.7	218.5	165.5	143.3	84.2	220.7	202.0	149.8	157.56
27	162.6	101.7	148.5	140.9	216.6	138.9	115.4	170.6	115.4	202.9	124.4	160.7	145.1	209.4	211.8	178.2	158.94
29	170.5	116.4	131.0	157.5	188.7	63.0	92.5	146.7	146.9	208.9	165.1	143.6	136.5	217.6	166.6	157.4	150.56
32	153.9	129.5	131.7	137.9	174.2	92.3	95.9	154.6	179.8	168.3	29.4	162.8	131.5	198.2	220.9	128.6	143.09
34	194.6	111.6	161.1	121.9	198.0	129.3	155.9	185.7	184.8	112.5	191.8	180.7	153.0	166.4	197.0	181.6	164.10
37	187.5	115.8	139.4	138.0	205.4	97.8	137.3	171.1	167.0	140.4	159.9	139.4	119.8	203.3	206.7	152.3	155.05
39	159.5	136.4	141.0	163.4	201.1	103.7	117.8	183.1	124.9	184.9	169.1	149.9	135.1	208.7	218.2	147.8	159.03
42	185.5	121.1	169.2	152.2	200.0	151.7	129.4	207.4	187.1	182.8	95.7	154.2	152.6	227.2	171.8	133.2	163.82
44	170.8	116.2	160.1	120.1	178.5	109.0	122.3	202.4	146.3	214.1	172.2	132.8	141.8	233.7	235.7	168.6	164.03
Mean all loudspeakers	177.4	122.8	148.1	143.0	196.1	121.2	117.5	176.4	161.3	187.3	147.8	151.3	136.2	210.0	205.2	157.9	159.97 Grand Mean

Rotation 100 deg/sec 200-ms

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	217.2	102.7	71.3	141.9	206.8	152.6	120.3	161.0	158.9	217.0	164.3	141.4	157.8	194.4	237.4	218.0	166.43
13	167.3	86.4	157.6	158.3	223.8	131.9	131.3	191.7	196.4	111.4	186.8	169.0	135.3	235.8	211.2	163.8	166.13
19	167.5	133.2	176.5	142.8	168.3	224.7	132.0	147.7	155.7	186.9	198.6	177.4	150.8	200.5	199.6	178.6	171.29
25	227.2	123.7	127.8	146.3	188.6	130.0	107.8	166.2	156.9	209.3	203.3	181.2	148.3	226.0	198.0	129.7	166.89
27	156.0	100.6	161.4	141.8	190.7	159.1	105.7	212.5	162.7	192.4	173.8	128.4	167.4	205.4	200.5	140.0	162.39
29	189.7	162.7	151.5	140.9	179.0	164.9	121.8	196.5	103.3	215.2	135.9	201.7	150.4	246.0	253.6	175.9	174.30
32	186.9	92.7	118.3	121.9	204.7	171.9	109.8	191.6	172.5	183.4	181.9	160.4	177.0	234.4	158.6	163.3	164.32
34	203.3	79.4	131.1	177.3	171.6	148.7	109.2	141.7	141.7	142.9	179.7	144.3	150.9	239.1	216.5	185.4	160.17
37	196.8	120.1	163.4	169.0	231.1	142.1	128.5	150.4	142.4	153.0	203.6	167.3	123.9	228.0	191.6	187.8	168.69
39	118.5	83.2	124.4	157.4	149.8	166.4	121.0	158.2	138.3	219.1	229.8	173.7	130.5	222.7	218.8	178.5	161.89
42	141.2	127.8	140.8	149.0	201.9	90.9	112.1	185.2	193.7	169.3	156.6	151.9	122.9	244.9	224.4	151.9	160.29
44	188.5	87.7	106.4	151.1	160.1	183.4	133.9	179.8	132.5	143.8	130.0	159.9	159.2	186.8	194.2	161.5	153.68
Mean all loudspeakers	180.0	108.4	135.9	149.8	189.7	155.5	119.4	173.5	154.6	178.6	178.7	163.1	147.9	222.0	208.7	169.5	164.71 Grand Mean

Rotation Free 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	15.2	1.7	17.3	15.7	7.3	6.3	8.0	5.1	10.4	5.1	7.7	12.9	4.6	1.9	7.7	16.4	8.95
13	12.0	5.5	19.1	17.9	13.4	3.5	16.1	6.3	10.7	11.4	12.8	15.7	15.2	12.9	11.5	13.5	12.36
19	14.9	13.0	15.3	10.7	11.7	16.2	11.0	7.3	18.2	0.9	7.3	9.0	15.4	10.7	17.0	19.1	12.35
25	15.1	6.5	21.0	18.7	1.0	7.1	11.6	13.7	10.5	5.2	3.5	0.8	4.3	7.1	3.4	12.5	8.88
27	6.6	5.5	12.6	17.9	16.8	11.3	8.3	9.4	17.7	13.9	7.9	2.3	11.1	15.5	1.2	14.1	10.75
29	32.2	1.4	16.1	17.5	19.1	11.8	3.4	7.0	18.9	0.9	9.9	13.8	15.0	12.9	13.6	11.7	12.82
32	4.9	3.9	16.1	13.2	7.0	13.2	7.2	13.2	4.7	3.5	0.4	16.9	10.3	3.6	6.5	9.4	8.37
34	25.1	0.3	17.1	19.0	13.7	8.4	11.9	10.1	20.9	2.0	4.2	3.7	6.9	8.9	12.5	15.1	11.22
37	16.6	9.0	12.5	17.3	17.7	10.7	11.5	9.0	3.3	14.5	2.5	20.1	7.6	13.2	5.0	21.3	11.99
39	14.7	13.4	13.5	15.1	16.4	4.7	0.8	14.0	8.5	9.1	6.2	18.0	6.4	10.3	14.1	9.0	10.88
42	8.9	4.4	17.2	16.6	14.9	3.5	1.9	6.5	4.0	11.0	4.5	16.5	10.9	19.8	17.9	19.1	11.09
44	13.8	16.1	16.8	19.6	18.3	2.1	2.1	20.5	2.0	14.8	15.2	17.0	15.8	10.7	8.1	18.5	13.21
Mean all loudspeakers	15.0	6.7	16.2	16.6	13.1	8.2	7.8	10.2	10.8	7.7	6.8	12.2	10.3	10.6	9.9	15.0	11.07

Grand Mean

Rotation Free 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	12.6	12.0	17.8	5.2	14.1	6.7	1.6	12.7	17.8	17.4	5.2	17.9	3.2	2.2	15.3	3.6	10.33
13	14.8	4.0	0.9	16.4	8.6	3.1	16.1	0.0	16.7	5.4	14.7	12.6	1.4	16.8	17.8	15.3	10.29
19	8.5	12.7	7.0	18.8	17.4	0.6	19.4	6.4	3.5	7.6	9.0	16.4	15.1	18.6	15.1	17.1	12.08
25	14.4	13.3	5.8	18.4	18.8	5.2	15.9	13.9	0.4	14.3	5.2	11.9	17.0	15.8	0.1	20.0	11.89
27	16.1	12.5	10.2	3.6	18.3	3.4	10.8	2.2	0.4	7.6	3.1	2.4	15.2	12.9	18.4	15.7	9.54
29	12.6	13.8	15.4	17.0	7.4	0.4	19.7	5.0	1.0	16.6	3.0	7.4	3.7	7.4	17.0	6.0	9.59
32	12.9	9.3	13.7	16.3	16.8	6.7	7.6	13.2	0.2	15.9	2.4	6.9	3.8	9.8	18.4	3.8	9.85
34	11.3	13.2	8.7	12.9	15.2	7.2	15.7	18.8	4.6	2.8	0.2	20.9	8.7	18.2	14.9	15.7	11.82
37	16.8	7.8	8.3	18.1	9.9	0.4	12.3	16.7	20.1	18.9	7.5	11.9	11.8	16.2	18.3	17.9	13.31
39	5.7	4.3	10.9	20.6	18.3	4.4	11.2	14.1	1.1	18.0	1.1	20.2	9.5	15.0	23.2	16.4	12.13
42	2.5	5.2	16.0	12.6	17.2	15.3	19.5	12.4	18.4	6.5	5.6	17.9	0.5	14.3	15.3	12.8	12.00
44	3.7	11.1	18.0	17.3	20.1	16.1	17.5	1.8	19.3	14.5	3.0	16.6	5.4	4.3	6.1	12.3	11.69
Mean all loudspeakers	11.0	9.9	11.1	14.8	15.2	5.8	13.9	9.8	8.6	12.1	5.0	13.6	7.9	12.6	15.0	13.0	11.21

Grand Mean

Motionless 3000-ms (Time 1)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	0.1	0.2	0.4	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.5	0.0	0.0	0.11
13	0.1	0.0	0.2	0.0	0.0	0.1	0.2	0.1	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.09
19	0.1	0.1	0.0	0.0	0.1	0.1	1.5	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.15
25	0.2	0.0	0.3	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.4	0.0	0.2	0.11
27	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.2	0.09
29	0.2	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.5	0.11
32	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	3.5	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.28
34	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.0	0.1	0.3	0.1	0.1	0.09
37	1.1	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.9	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.20
39	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.3	0.3	0.2	0.0	0.1	0.0	0.0	0.0	0.10
42	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.07
44	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.06
Mean all loudspeakers	0.2	0.1	0.2	0.0	0.0	0.1	0.2	0.1	0.5	0.1	0.1	0.0	0.1	0.2	0.0	0.1	Grand Mean 0.12

Motionless 3000-ms (Time 2)

loudspeaker	Listener																Mean all listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	0.1	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.08
13	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	3.2	0.0	0.0	0.25
19	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.06
25	0.0	0.0	0.6	0.0	0.1	0.0	0.0	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.10
27	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.07
29	0.0	0.1	1.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	1.8	0.0	0.3	0.25
32	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.5	0.0	0.0	0.09
34	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.0	0.09
37	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.04
39	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.09
42	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.09
44	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.4	0.1	0.1	0.0	0.0	0.2	0.09
Mean all loudspeakers	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.5	0.1	0.1	Grand Mean 0.11

Rotation 50 deg/sec 800-ms

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
7	7.8	4.6	6.8	4.0	7.6	8.9	5.9	4.8	6.1	10.9	5.6	3.8	5.4	8.1	3.8	5.4	6.22
13	10.8	4.9	6.2	5.9	5.9	6.3	4.9	6.8	4.9	9.5	6.3	4.7	7.2	7.9	4.0	6.0	6.38
19	8.9	4.4	6.9	6.3	8.5	3.3	8.6	5.5	6.7	7.0	7.4	2.6	6.1	7.7	4.4	5.5	6.23
25	5.9	3.9	7.6	6.5	5.9	8.6	6.7	4.6	4.1	4.8	4.6	4.8	4.2	9.2	5.0	5.2	5.72
27	4.3	6.4	6.2	5.7	6.9	6.3	5.6	5.6	8.2	8.8	8.1	4.4	6.3	8.3	3.5	7.0	6.34
29	8.0	3.4	6.5	6.5	5.6	5.9	4.6	7.1	7.5	9.5	8.1	4.3	7.4	7.4	5.2	6.5	6.47
32	8.0	7.0	5.4	5.4	8.0	6.9	5.1	7.7	6.9	8.7	6.1	4.2	6.2	8.0	3.0	5.8	6.40
34	4.7	4.1	6.5	5.2	8.0	7.5	7.2	7.1	3.5	10.7	7.8	4.3	3.9	8.7	3.1	6.2	6.16
37	7.1	3.9	6.6	4.6	6.4	5.4	8.7	6.6	7.3	9.1	6.9	4.6	6.7	5.1	2.4	3.8	5.94
39	5.6	5.3	7.2	5.7	8.1	6.8	5.5	7.6	6.7	8.8	6.1	4.6	5.1	7.7	5.2	5.2	6.31
42	9.6	5.6	4.9	5.2	6.9	4.7	6.4	7.2	7.3	9.1	7.5	4.2	6.9	9.5	4.5	4.3	6.48
44	8.5	6.7	5.1	6.2	6.3	7.6	5.6	7.7	5.8	8.3	7.1	4.1	7.1	5.9	3.5	6.9	6.40
Mean	7.4	5.0	6.3	5.6	7.0	6.5	6.2	6.5	6.2	8.8	6.8	4.2	6.0	7.8	4.0	5.7	6.25
All loudspeakers																	Grand Mean

Rotation 50 deg/sec 400-ms

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
7	3.1	1.3	2.8	2.6	2.6	3.5	4.0	3.2	4.1	6.0	3.5	2.7	3.7	2.2	1.7	2.5	3.09
13	2.5	1.5	3.3	3.3	2.8	3.9	3.7	2.7	4.0	6.4	4.8	2.2	3.2	2.6	2.3	1.5	3.16
19	6.4	2.8	1.8	2.0	2.8	3.6	5.6	3.6	1.9	4.1	2.8	2.6	2.9	2.3	1.3	3.4	3.12
25	4.0	2.7	1.6	2.2	3.0	3.9	4.5	1.9	3.8	3.7	3.2	2.8	3.5	2.7	1.9	3.5	3.05
27	2.8	3.4	0.8	1.8	2.2	1.4	2.8	3.5	2.2	5.8	3.0	1.5	3.6	2.9	1.8	1.8	2.58
29	2.8	0.4	0.7	2.8	2.4	3.5	4.4	3.6	3.0	4.6	5.5	1.9	3.9	1.8	2.0	1.6	2.82
32	4.1	1.1	1.1	3.0	4.8	2.9	2.9	3.9	3.2	2.8	1.1	1.5	2.6	2.2	1.2	2.4	2.55
34	3.1	2.5	1.3	2.4	3.1	3.0	1.8	2.9	2.8	4.9	3.9	0.6	2.6	3.1	2.3	2.7	2.68
37	4.5	1.1	1.5	4.3	2.4	3.7	3.7	3.1	4.0	2.2	3.6	1.7	3.0	2.4	1.8	4.1	2.95
39	3.2	2.0	0.9	3.1	3.2	3.5	2.3	4.3	2.4	4.4	2.7	1.3	3.4	2.9	0.8	3.5	2.74
42	3.7	1.9	1.9	3.2	3.9	3.0	3.8	3.0	4.5	3.7	3.3	2.5	2.8	3.6	3.0	3.3	3.19
44	1.6	1.2	1.0	2.4	2.7	3.4	4.0	3.3	2.6	3.1	3.8	2.6	2.9	4.6	1.9	1.1	2.64
Mean	3.5	1.8	1.6	2.8	3.0	3.3	3.6	3.2	3.2	4.3	3.4	2.0	3.2	2.8	1.8	2.6	2.88
All loudspeakers																	Grand Mean

Rotation Free 3000-ms (Time 1)

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
7	14.9	13.7	18.8	7.4	12.1	5.6	11.3	7.6	5.5	9.5	15.3	13.8	6.8	14.2	9.5	16.8	11.42
13	17.1	9.2	13.6	6.4	12.8	3.2	9.6	8.7	9.8	10.7	16.6	8.7	9.3	13.3	6.0	14.7	10.60
19	16.0	9.0	12.0	6.5	14.1	6.9	8.9	7.5	9.0	11.4	14.5	6.6	6.5	14.2	8.2	12.7	10.25
25	16.7	13.0	15.2	5.3	16.3	4.2	7.9	8.1	6.6	9.4	15.8	12.9	3.6	15.7	4.5	16.3	10.71
27	19.2	7.4	10.5	5.6	16.0	4.6	9.2	7.6	7.5	13.3	14.0	13.1	3.7	14.2	10.4	19.3	10.98
29	17.5	4.2	14.9	3.7	13.7	5.4	8.3	12.6	9.3	9.2	17.1	15.9	4.2	13.4	8.4	15.4	10.83
32	19.9	17.6	14.7	3.5	14.8	3.6	9.1	8.1	5.5	16.0	11.7	5.3	4.6	14.8	7.7	13.8	10.67
34	13.3	8.6	12.9	4.4	13.8	5.8	7.8	5.7	8.3	9.0	12.7	9.7	3.0	12.2	5.8	14.4	9.22
37	17.7	12.4	16.3	4.9	16.2	4.9	7.6	6.8	9.7	8.9	12.5	9.3	2.9	11.2	11.2	15.3	10.49
39	17.2	10.2	14.4	5.7	14.1	7.6	6.3	6.8	9.4	9.0	15.0	10.2	7.0	11.6	8.7	14.5	10.48
42	14.3	4.9	11.6	8.2	14.1	4.6	5.4	8.2	5.9	5.4	12.5	7.1	5.0	13.9	5.8	19.2	9.12
44	12.4	8.7	6.5	4.1	15.8	5.4	7.5	10.0	7.4	8.8	15.8	7.6	5.0	13.6	6.0	16.8	9.46
Mean	16.4	9.9	13.4	5.5	14.5	5.1	8.2	8.1	7.8	10.0	14.5	10.0	5.1	13.5	7.7	15.8	10.35
All loudspeakers																	Grand Mean

Rotation Free 3000-ms (Time 2)

loudspeaker	Listener																Mean
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	All listeners
7	16.4	13.8	13.2	6.0	11.0	5.1	7.5	8.5	6.8	12.2	12.8	7.7	3.8	7.7	6.1	13.4	9.48
13	20.4	8.9	17.3	6.9	19.1	9.3	8.9	9.1	10.8	8.9	17.3	9.6	3.3	9.3	7.6	19.3	11.62
19	16.0	8.8	12.9	8.1	13.8	6.8	5.1	6.7	9.3	11.0	13.5	10.0	5.4	11.4	13.3	15.4	10.48
25	17.3	9.8	17.1	3.3	19.1	7.3	6.4	6.4	6.8	13.3	13.7	11.0	11.0	6.8	6.5	14.1	10.61
27	16.3	9.2	10.7	5.0	9.2	8.1	9.6	8.5	11.1	13.6	16.5	5.5	2.7	10.9	7.7	18.4	10.17
29	16.6	9.4	14.8	6.3	13.8	6.3	12.4	7.9	7.7	9.6	18.3	8.7	8.0	5.4	4.8	16.2	10.38
32	17.8	13.3	14.0	5.5	18.9	6.8	5.2	5.5	5.9	13.4	14.5	7.3	5.2	7.0	7.9	10.9	9.95
34	18.7	7.1	19.2	5.2	15.1	7.9	7.6	9.8	10.1	10.8	12.9	7.8	2.8	9.1	11.4	15.2	10.66
37	19.3	9.4	15.1	5.0	13.4	7.3	8.4	5.7	8.7	10.6	15.0	7.1	4.8	11.3	12.8	9.3	10.19
39	17.7	10.2	14.2	5.9	19.3	5.9	6.3	7.7	10.2	12.0	15.9	7.1	4.3	6.2	13.1	17.8	10.86
42	13.6	12.5	14.1	5.7	16.7	6.5	6.2	10.1	8.5	11.3	15.2	8.3	9.8	9.5	6.9	14.1	10.56
44	13.4	9.5	11.2	5.4	14.7	6.4	6.2	5.8	6.3	9.8	12.8	8.7	9.9	12.8	6.3	16.0	9.70
Mean	17.0	10.1	14.5	5.7	15.3	7.0	7.5	7.6	8.5	11.4	14.9	8.2	5.9	8.9	8.7	15.0	10.39
All loudspeakers																	Grand Mean

Motionless 3000-ms (Time 1)

loudspeaker	Listener																Mean All listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	0.6	0.4	0.8	0.2	0.3	0.8	0.3	0.3	0.3	1.0	0.3	0.1	0.4	0.8	0.5	0.8	0.49
13	0.2	0.3	0.2	0.3	0.4	0.4	0.3	0.8	0.6	1.0	0.3	0.1	0.2	0.2	0.3	0.3	0.37
19	0.5	0.2	0.4	0.3	0.3	0.7	0.7	0.4	0.2	0.6	0.1	0.1	0.5	0.5	0.2	0.3	0.37
25	0.4	0.3	0.7	0.3	0.6	0.4	0.3	0.2	0.3	0.9	0.2	0.1	0.4	0.3	0.5	0.2	0.38
27	0.4	0.2	0.6	0.2	0.6	0.4	0.3	0.4	1.1	0.6	0.2	0.3	0.2	0.4	0.3	0.5	0.41
29	0.4	0.3	0.5	0.2	0.3	0.6	0.2	0.3	0.5	0.9	0.5	0.2	0.2	0.3	0.2	0.6	0.38
32	0.4	0.2	0.8	0.4	0.2	0.6	0.2	0.6	2.3	0.4	0.4	0.1	0.3	0.3	0.2	0.2	0.46
34	0.5	0.2	0.3	0.4	0.4	0.7	0.4	0.5	0.3	0.7	0.2	0.2	0.3	1.0	0.3	0.3	0.41
37	2.0	0.5	1.5	0.2	0.3	0.5	0.3	0.6	0.6	1.2	0.1	0.3	0.3	0.4	0.2	0.3	0.58
39	0.2	0.2	0.5	0.2	0.3	0.3	0.3	0.5	0.6	1.6	0.6	0.2	0.2	0.4	0.3	0.5	0.43
42	0.6	0.4	0.7	0.3	0.4	0.4	0.2	0.6	0.8	0.3	0.2	0.1	0.3	0.3	0.2	0.4	0.39
44	0.7	0.2	0.5	0.5	0.4	0.7	0.2	0.2	0.7	0.9	0.4	0.1	0.3	0.3	0.2	0.5	0.42
Mean	0.6	0.3	0.6	0.3	0.4	0.5	0.3	0.5	0.7	0.8	0.3	0.2	0.3	0.4	0.3	0.4	0.42
All loudspeakers																	Grand Mean

Motionless 3000-ms (Time 2)

loudspeaker	Listener																Mean All listeners
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7	0.3	0.2	0.4	0.2	0.3	0.4	0.3	0.4	0.3	0.8	0.4	0.2	0.3	0.5	0.4	0.8	0.38
13	0.3	0.3	0.8	0.2	0.5	0.5	0.2	0.4	0.2	0.4	0.2	0.1	0.4	4.5	0.2	1.1	0.64
19	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.8	0.6	0.5	0.3	0.2	0.2	0.5	0.5	0.5	0.37
25	0.6	0.2	0.7	0.3	0.3	0.5	0.2	0.2	0.2	0.3	1.0	0.3	0.2	0.4	0.4	0.5	0.39
27	0.3	0.2	0.4	0.3	0.3	0.3	0.1	0.5	0.5	0.8	0.3	0.2	0.4	0.3	0.6	1.0	0.40
29	0.2	0.3	2.5	0.3	0.5	0.4	0.2	0.5	0.3	0.3	0.3	0.3	0.2	4.6	0.2	1.0	0.75
32	0.3	0.4	0.3	0.2	0.2	0.7	0.2	0.8	0.4	0.4	2.8	0.2	0.3	0.6	0.6	0.5	0.56
34	0.3	0.6	0.6	0.3	0.5	0.5	0.4	0.6	0.2	0.7	0.5	0.2	0.3	0.2	0.9	0.8	0.48
37	0.3	0.2	0.3	0.2	0.3	0.3	0.4	0.6	0.3	0.7	0.2	0.3	0.2	0.5	0.2	0.3	0.33
39	0.2	0.2	0.4	0.4	0.4	0.5	0.3	0.8	0.3	0.3	0.5	0.1	0.2	0.2	0.2	0.8	0.36
42	0.4	0.2	0.5	0.4	0.3	0.5	0.2	0.3	1.7	0.3	0.3	0.1	0.3	0.3	0.2	0.6	0.41
44	0.2	0.7	0.5	0.2	0.2	0.5	0.2	0.4	0.6	1.2	0.9	0.2	0.5	0.3	0.2	0.3	0.44
Mean	0.3	0.3	0.6	0.3	0.3	0.5	0.2	0.5	0.5	0.5	0.6	0.2	0.3	1.1	0.4	0.7	0.46
All loudspeakers																	Grand Mean