

Depth: The Forgotten Dimension in Multisensory Research

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Supplementary Material

Table S1. An overview of the stimulus modalities and distances in lateral space, depth, and height relative to the participant that have been used in a sample of studies of multisensory interactions.

Space	Distance form body midline	Visual Angle (degrees)	Depth (cm)	Elevation	Modality	Note	Reference
Front	0.00	0	57	0	V	Monitor Speaker, Elevation not mentioned, assuming eye-height	Alais and Carlile (2005)
Front	0.00	0	500	0	A	V at 57 cm, Recorded distance	
Front	0.00	0	1000	0	A	V at 57 cm, Simulated	
Front	0.00	0	1500	0	A	V at 57 cm, Simulated	
Front	0.00	0	2000	0	A	V at 57 cm, Simulated	
Front	0.00	0	0	0	AV	Headphones	
Front	0.00	0	0	0	V	Elevation not mentioned, assuming eye-height	
Front	0.00	0	0	0	A	Headphones	
Front	0.00	0	114	-15	AV	Speaker, 15 cm below monitor	
Front	0.00	0	513	-15	AV	Speaker, 15 cm below monitor	
Front	0.00	0	1026	-15	AV	Speaker, 15 cm below monitor	
Front	0.00	0	1482	-15	AV	Speaker, 15 cm below monitor	
Front	0.00	0	40	-30	A	Speaker near the hand	Canzoneri <i>et al.</i> (2012)
Front	0.00	0	100	-100	A	Speaker on the floor	
Front	0.00	0	40	-30	T	Hand (at ~30 cm from body?)	
Front	0.00	0	40	-30	A	Speaker near the forearm	Canzoneri <i>et al.</i> (2013)
Front	0.00	0	100	-100	A	Speaker on the floor	
Front	0.00	0	40	-30	T	Forearm	

Front	-20.00	-26.57	40	-30	V	Exp 1A, 1B, 2; LED Hand, Left Cues	De Paepe <i>et al.</i> (2014)
Front	-30.00	-16.70	100	-30	V	Exp 1A Left Cues	
Front	-35.00	-23.63	80	-30	V	Exp 1B Left Cues	
Front	-20.00	-10.30	110	-30	V	Exp 2 Left Cues	
Front	-20.00	-26.57	40	-30	N	Nociceptive target to left hand	
Front	20.00	26.57	40	-30	V	Exp 1A, 1B, 2; LED Hand, Right Cues	
Front	30.00	16.70	100	-30	V	Exp 1A Right Cues	
Front	35.00	23.63	80	-30	V	Exp 1B Right Cues	
Front	20.00	10.30	110	-30	V	Exp 2 Right Cues	
Front	20.00	26.57	40	-30	N	Nociceptive target to right hand	
Front	-14	-45	14	0	A	Left Auditory, Speaker	Farnè and Ládavas (2002)
Front	-49	-45	49	0	A	Left Auditory, Speaker	
Rear	-14	-45	-14	0	A	Left Auditory, Speaker	
Rear	-49	-45	-49	0	A	Left Auditory, Speaker	
Front	14	45	14	0	A	Right Auditory, Speaker	
Front	49	45	49	0	A	Right Auditory, Speaker	
Rear	14	45	-14	0	A	Right Auditory, Speaker	
Rear	49	45	-49	0	A	Right Auditory, Speaker	
Rear	-4	-45	-5	-5	T	Left side back of the neck (distance estimated for graphical purpose)	
Rear	4	45	-5	-5	T	Right side back of the neck (distance estimated for graphical purpose)	
Front	0.00	0	100	0	AV	Speaker	Kopinska and Harris (2004)
Front	0.00	0	400	0	AV	Speaker	
Front	0.00	0	800	0	AV	Speaker	
Front	0.00	0	1600	0	AV	Speaker	
Front	0.00	0	2400	0	AV	Speaker	

Front	0.00	0	100	0	AV	Speaker, 1 m above ground, assuming eye-height	Lewald and Guski (2004)
Front	-181.99	-20	500	0	AV	Speaker, 1 m above ground, assuming eye-height	
Front	176.33	10	1000	0	AV	Speaker, 1 m above ground, assuming eye-height	
Front	727.94	20	2000	0	AV	Speaker, 1 m above ground, assuming eye-height	
Front	-881.63	-10	5000	0	AV	Speaker, 1 m above ground, assuming eye-height	
Front	-19.65	-13.8	80	0	AV	Speaker, Left targets	Van der Stoep <i>et al.</i> (in press)
Front	-49.12	-13.8	200	0	AV	Speaker, Left targets	
Front	19.65	13.8	80	0	AV	Speaker, Right targets	
Front	49.12	13.8	200	0	AV	Speaker, Right targets	
Front	0.00	0	100	-10	AV	Speaker, slightly below fixation at intermediate distance	Van der Stoep and Di Luca (in preparation)
Front	0.00	0	1500	10	AV	Speaker, slightly above fixation at intermediate distance	
Front	-20.18	-14.16	80	-30	AV	Speaker, Left targets	Van der Stoep <i>et al.</i> (2014)
Front	-55.51	-14.16	220	-30	AV	Speaker, Left targets	
Front	20.18	14.16	80	-30	AV	Speaker, Right targets	
Front	55.51	14.16	220	-30	AV	Speaker, Right targets	
Front	0.00	0	70	-30	A	70 cm from the head, depth ~70cm?	Zampini <i>et al.</i> (2007)
Rear	0.00	0	-70	-30	A	70 cm from the head, depth ~70cm?	
Front	0.00	0	40	-30	T	Hand	
Rear	0.00	0	40	-30	T	Hand	

Note: A = auditory, V = visual, T = tactile, N = nociceptive.

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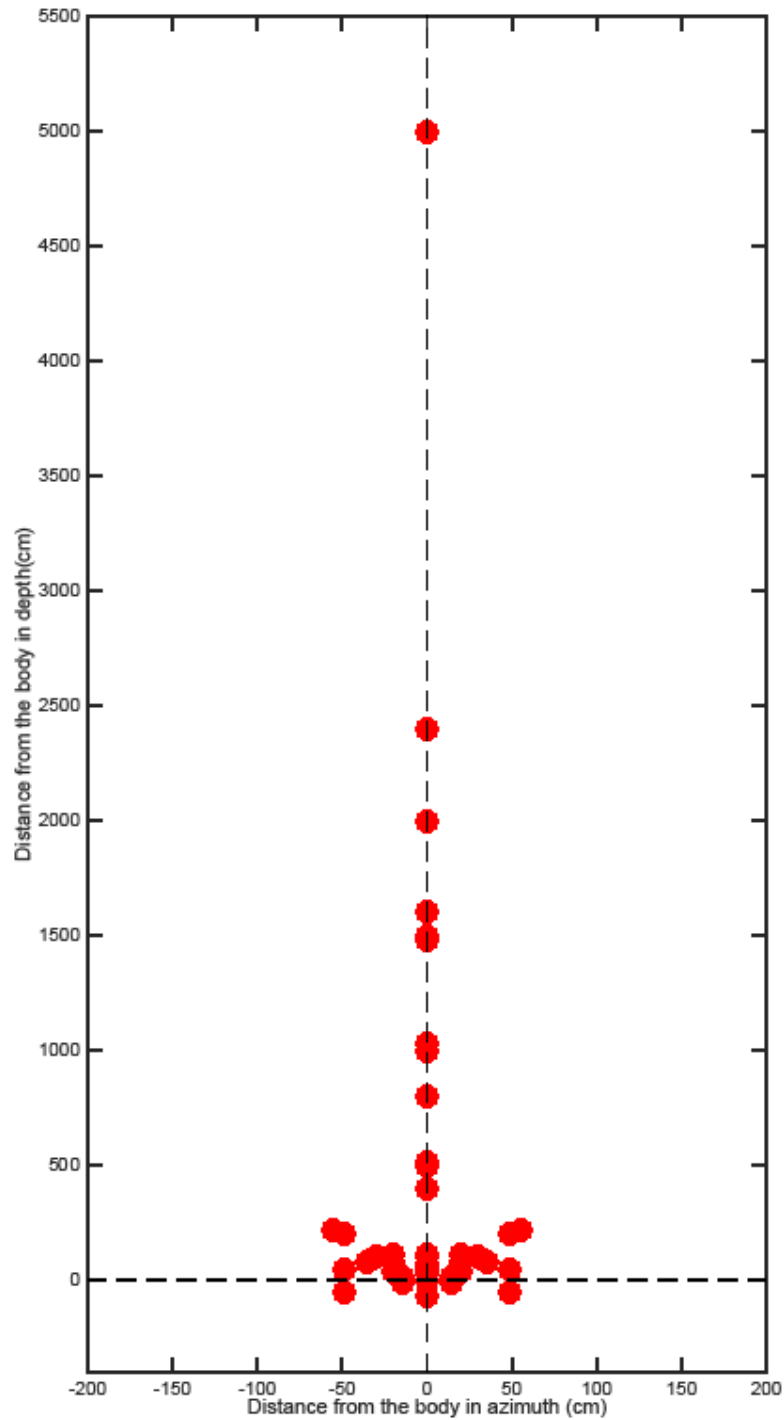


Figure S1. A bird's-eye view of the different distances in lateral space and in depth relative to the participant in front and rear space from which stimuli have been presented in previous studies of multisensory interactions.