Motion Fields   Version 4   26. May 2006

BIWI Computer Vision

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from 4DMRI reconstruction and subsequent 3D non-rigid registration
see   http://www.vision.ethz.ch/4dmri

subject	in-plane resolution [mm]	through-plane resolution [mm]	number of slices	volume size [voxels]
A	1.3672	4	25	256x256x25
B	1.3672	4	27	256x256x27

subject	cycle number	start time within acquisition session [min]	number of volumes	temporal resolution [ms]	duration [s]	max superior-inferior amplitude [mm]	average superior-inferior amplitude [mm]	number of points 15mm grid resolution	number of points 5mm grid resolution	remarks
A	1	25	15	362	5.43	18.1	13.1	302	8219	large, earlier in acquisition session
A	2	36	15	362	5.43	12.8	9.3	302	8219	small, earlier in acquisition session
A	3	44	18	362	6.52	16.8	13.1	302	8219	large, later in acquisition session, reference cycle [3]
A	4	48	12	362	4.34	11.5	8.8	302	8219	small, later in acquisition session
B	1	11	9	408	3.67	10.7	6.7	397	10125	small, earlier in acquisition session
B	2	12	9	408	3.67	14.2	9.3	397	10125	large, earlier in acquisition session
B	3	34	8	408	3.26	12.3	6.7	397	10125	reference cycle [3]
B	4	58	8	408	3.26	11.2	6.7	397	10125	small, later in acquisition session
B	5	63	8	408	3.26	15.4	9.7	397	10125	large, later in acquisition session

[3] There is one reference cycle per subject. The initial (exhalation) volume of this reference cycle was registered to all other volumes.

All points are defined in this reference exhalation volume. In other cycles, the points generally show a deviation or deformation already in the initial (exhalation) volume.