

Supplementary materials (Matlab codes) for:

Stolt's f - k migration for plane wave ultrasound imaging
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Damien Garcia^{1,2,3}, Louis Le Tarnec^{1,2}, Stéphan Muth^{1,2},
Emmanuel Montagnon^{2,4}, Jonathan Porée^{2,4} and Guy Cloutier^{2,3,4}

¹ RUBIC, Research Unit of Biomechanics and Imaging in Cardiology

² CRCHUM, Research Center, University of Montreal Hospital, Canada

³ Department of Radiology, Radio-Oncology and Nuclear Medicine,
and Institute of Biomedical Engineering, University of Montreal, Canada

⁴ LBUM, Laboratory of Biorheology and Medical Ultrasonics

email: Damien.Garcia@crchum.qc.ca, Garcia.Damien@gmail.com

website: www.biomecardio.com

The Matlab script named “examples” runs three examples using the functions *fkmig* and *ezfkmig*. RF data acquired with a Verasonics scanner and a Gammex phantom are stored in the mat files *RFdata1* and *RFdata2*.

1) FKMIG: f - k migration for plane wave imaging

MIGSIG = *fkmig*(SIG,PARAM) performs a f - k migration of the signals stored in the array SIG. MIGSIG contains the migrated signals. PARAM is a structure that contains all the parameter values required for the migration (type “help *fkmig*” for more details).

2) EZFKMIG is a simplified and non-optimized version of ***FKMIG***. The code has been highly simplified and reduced to a few lines for academic purposes. It only works with horizontal plane waves generated by a linear array. The number of options with EZFKMIG is also limited. Use FKMIG for a more general application.