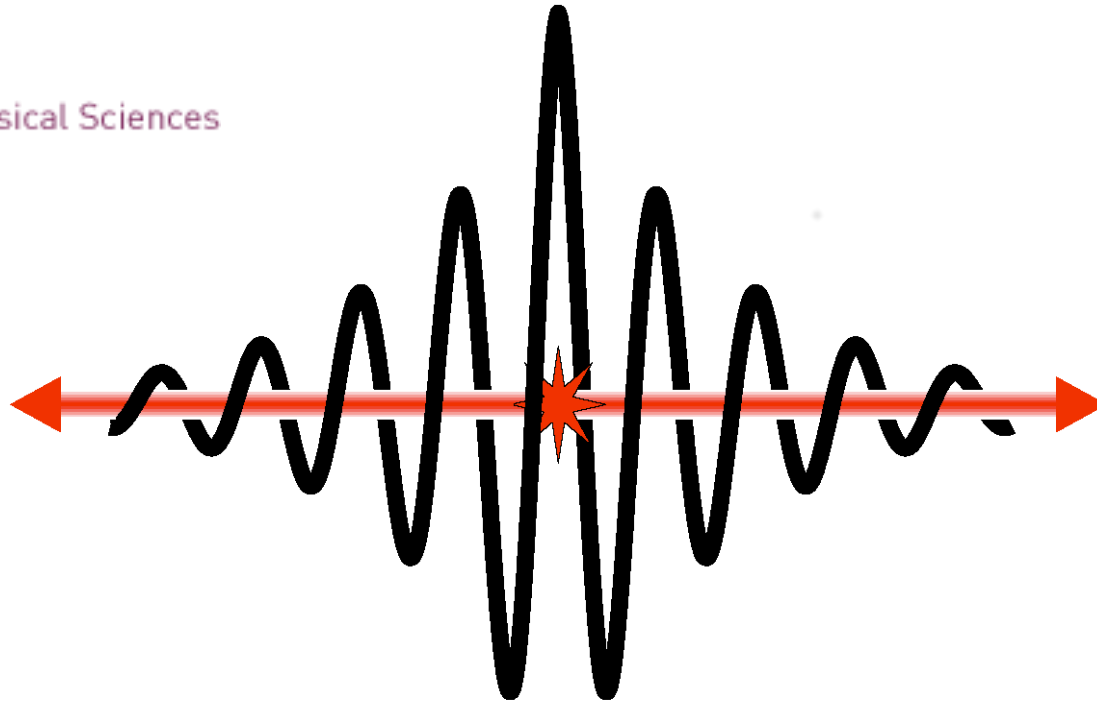


EPSRC

Engineering and Physical Sciences
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Synergistic PET-MR Reconstruction

Next Steps

22 April 2016

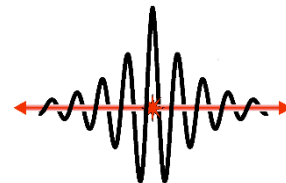
Plan

1. MR SENSE
2. Coregistered PET and MR reconstructions
3. PET randoms/scatter/etc
4. PET reconstruction with MR anatomical priors
5. Functions to compute gradients and values of objective functions
6. MR reconstruction with PET prior
7. Joint PET-MR (static) reconstruction using MATLAB (e.g. optimisation toolbox) or Python tools
8. Implementation of a few generic optimisation algorithms
9. Motion guided reconstruction
 1. spatial only, or time as well?
 2. How to get motion?



Researcher Exchanges

- Anyone?



Meetings

- Working Group: **6 Jun**
London LMS
- 8th Software Meeting: early June?
- 9th Software Meeting: mid July?
- Half-day Workshop at Annual Meeting of the British Chapter of the ISMRM: **7 Sep**
Leeds
- STIR User's Meeting at IEEE MIC: ~4 Nov
Strasbourg

