Need for Speed

2010 ISMRM Meeting: Data Reconstruction Challenge

Trajectory: Bent Bow-Tie

Designer: Alexey Samsonov

Description: PR-like trajectory consisting of 4 half echoes designed to satisfy the following properties:

      1) Maximized k-space coverage per time frame.
      2) Partial Fourier sampling (bent projections)
   3) Bit reversed order.
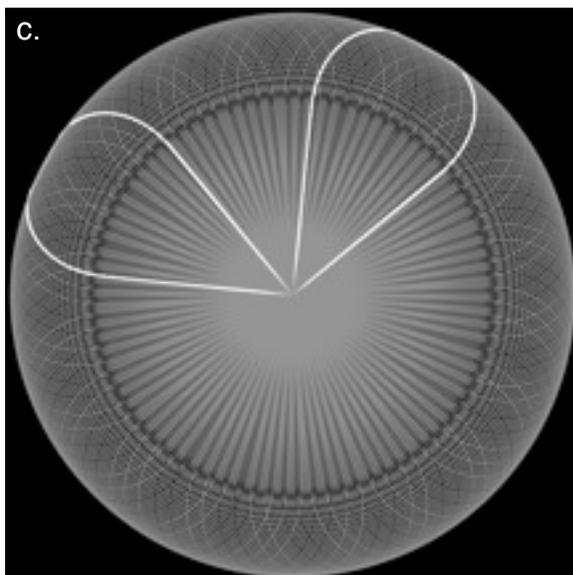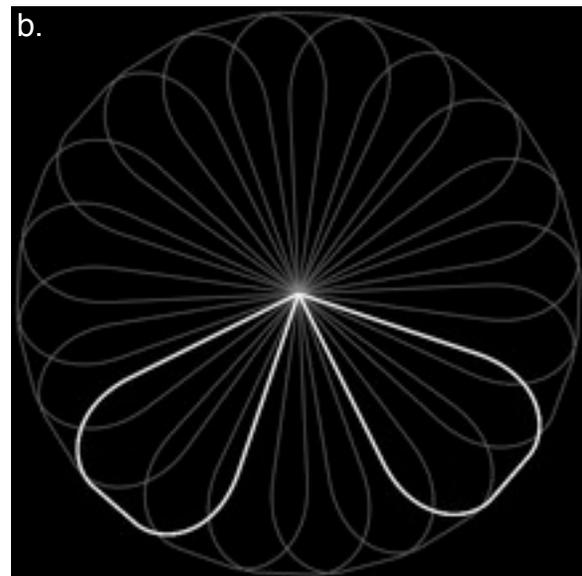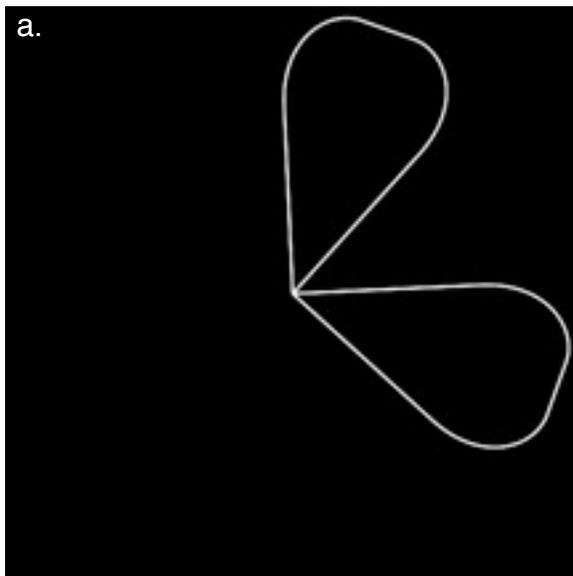
Figure 1: Trajectory at successive temporal stages. The grayed trajectories are areas that past TRs have covered in the sequence. (a) 1st TR. (b) 10th TR (c) 200th TR.