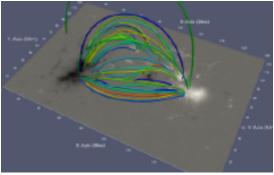
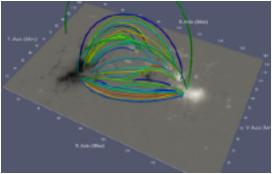
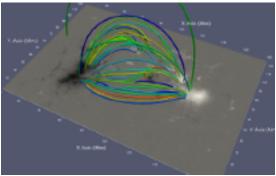
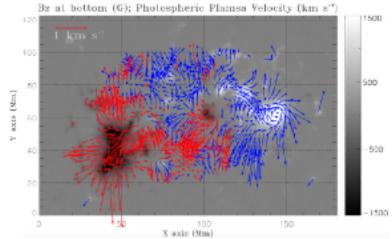
The 3D field modeled by NLFFF





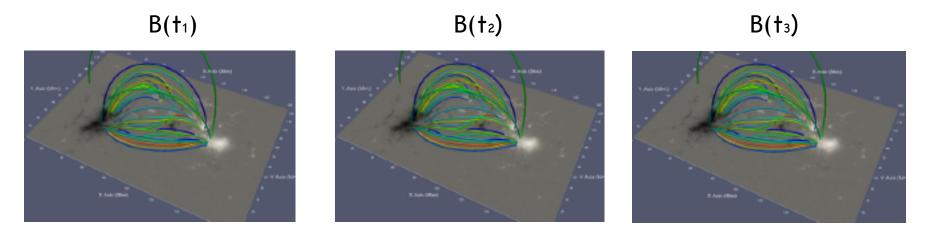


The bottom velocity estimated by DAVE4VM

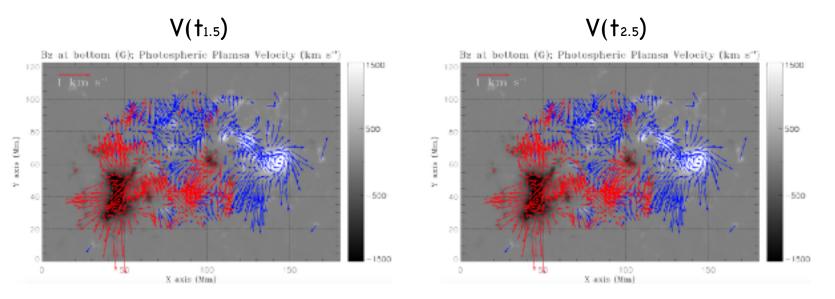


.. ..

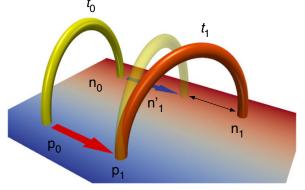
The 3D field modeled by NLFFF



The bottom velocity estimated by DAVE4VM



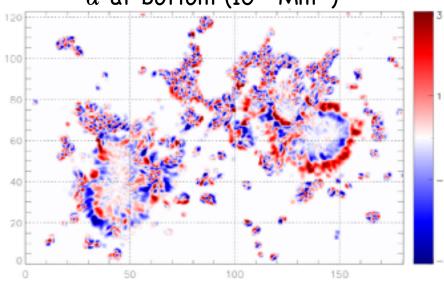
Non-ideal Motion & Heating



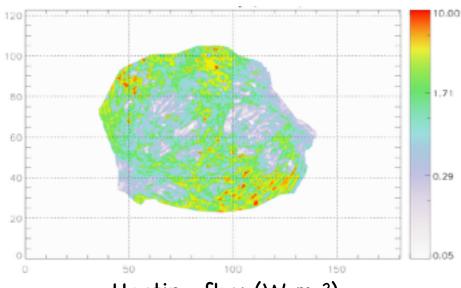
$$V_s = \frac{|\mathbf{n}_1 - \mathbf{n'}_1|}{\delta t}$$

$$P = \frac{\sum_{i} P_{i}}{A} = \frac{1}{\mu_{0}} \alpha \mathcal{L} V_{s} \bar{B}^{2}$$

lpha at bottom (10-1 Mm-1)







Heating flux (W m-2)

