

Introduction

- ▶ Nanoflare model of Parker [1]: corona heated by impulsive ($\ll \tau_{cool}$), low-energy (10^{24} erg) events produced by twisting, braiding of field lines rooted in the photosphere
- ▶ Fundamental question: **what is the frequency of energy release in the solar corona?** Two extreme cases:
 - ▶ Low-frequency heating: Time between successive events is much greater than typical loop cooling time (i.e. approaches single nanoflare case)
 - ▶ High-frequency heating: Time between successive events is much smaller than typical loop cooling time (i.e. approaches steady heating case)
- ▶ **Goal:** *Use hydrodynamic loop models to better understand how different heating properties*

Forward Modeling

- ▶ Foo
- ▶ Bar

Heating Model

- ▶ Foo
- ▶ Bar

Spectroscopic Details

- ▶ Foo
- ▶ Bar

Emission Measure Diagnostics

- ▶ Foo
- ▶ Bar

Emission Measure Distributions

- ▶ Foo
- ▶ Bar

Emission Measure Slopes

- ▶ Foo
- ▶ Bar

Slope Distributions

Conclusions

- ▶ Some
- ▶ conclusions
- ▶ here

References

[1] Parker, E. N. 1988, The Astrophysical Journal, 330, 474