

Coronal Seismology

ASTR 598

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Overview

The body of the frame

Kinks and Sausages

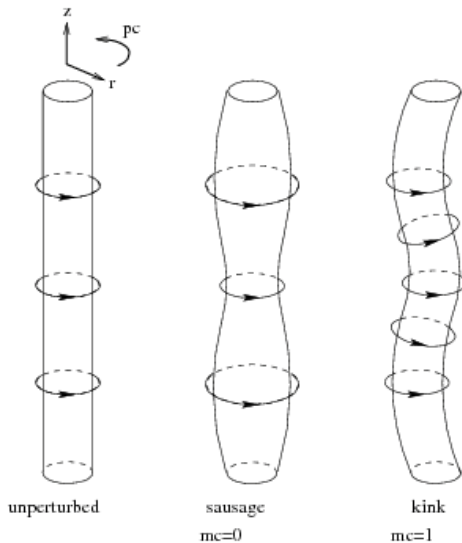


Figure: *

Kink modes

In general ...

- ▶ fast magnetoacoustic waves
- ▶ $m = 1$
- ▶ low plasma β
- ▶ present in coronal loops

Damping profiles of kink waves

- ▶ Gaussian vs. exponential
- ▶ Plasma motions around footpoints of coronal loops

Sausage modes

My Research