

OBSERVATIONAL ASPECTS OF PROMINENCE OSCILLATION

O. Engvold

*Institute of Theoretical Astrophysics
University of Oslo, Norway*

Seismology has become a useful tool in studies of the magnetic structure of solar prominences. Solar prominences/filaments oscillate over a large range of spatial scales and periods. The periods of 1 hr and longer may reflect eigenmode oscillations of large-scale structures, whereas oscillations with shorter periods down to a few minutes presumably are magnetohydrodynamic modes in individual small-scale, thin threads. The talk will discuss observations over the past decennia in the context of current theoretical models.