Geophysical Research Abstracts, Vol. 9, 04109, 2007
SRef-ID: 1607-7962/gra/EGU2007-A-04109

Three-dimensional numerical simulation of wave propagation through model sunspots

R. Cameron (1), K. Daiffallah (1), L. Gizon (1)
Max-Planck Institute for Solar System Research (contact Email cameron@mps.mpg.de)

The subsurface structure of sunspots has only recently become amenable to observation through helioseismology, which uses acoustic and surface-gravity waves to 'see' beneath the solar surface. Part of the anticipated progress depends on 3-D simulations. In this regard we have used the SLiM code to simulate wave propagation through some 3-dimensional models of sunspots, looking for the 'fingerprints' of the different sunspot models.