



## HAO Colloquium Series

(Refreshments served)

***Speaker:*** Paul Cally, HAO/Monash University

***Time:*** 3:00–4:00 pm

***Date:*** Thursday, June 2, 2011

***Location:*** CG1, Room 2126

***Title:*** Making Waves

***Abstract:***

"Resonant" interactions between the MHD wave types are crucial in interpreting oscillation observations, especially in active regions. I will give an overview of fast-slow mode conversion, and also new and surprising results on fast-Alfven coupling. These help us understand the relationship between resonant absorption and mode conversion. Application of some of these ideas to recently observed low frequency atmospheric gravity waves provides some intriguing insights and some beguiling conundrums.

Warning: Contains equations (and cute movies).