

University of Hawaii Mathematics Department

Distinguished Lecture Series

February 25, 26, 27, 2009



Ken Ono

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Ramanujan

For more information: <http://www.math.hawaii.edu/~erik/lectures/ono>

Unearthing The Visions Of A Master: The Web Of Ramanujan's Mock Theta Functions In Number Theory

**General
Audience
Lecture
2/25**

Wednesday, February 25, 2009 - 4:30 pm - Bilger 150 Reception 3:30 pm - Campus Center 203E

The legend of Ramanujan is one of the most romantic stories in the modern history of mathematics. It is the story of an untrained mathematician, from south India, who brilliantly discovered tantalizing examples of phenomena well before their time. Indeed, the legacy of Ramanujan's work (as a whole) is well documented and includes direct connections to some of the deepest results in modern number theory such as the proof of the Weil Conjectures and the proof of Fermat's Last Theorem. However, one final problem remained, the enigma of the functions which Ramanujan discovered on his death bed. Here we tell the story of Ramanujan and this final mystery.

Freeman Dyson's Challenge For The Future:

The Mock Theta Functions I & II

Thursday, February 26
3:00 Refreshments, Keller 418
3:30 Lecture, Keller 401

Friday, February 27
3:00 Refreshments, Keller 418
3:30 Lecture, Keller 401