

MANY CHEERFUL FACTS

presents

Economic Theology

a talk by John Zhu

12:10 - 1:00pm on Wednesday, December 6th, in room 1015.

Gerard Debreu was a nobel prize winning economics professor from Berkeley, who revolutionized the way mathematics was used in studying economic behavior. A disciple of Bourbaki, he has been instrumental in introducing topology, the theory of manifolds, and other high level mathematics into the realm of economic theory. In this talk, we will present a new proof of one of his fundamental theorems about utility and preference relations.

*I am the very model of a modern Major General,
I've information vegetable, animal, and mineral,
I know the kings of England, and I quote the fights historical
From Marathon to Waterloo, in order categorical;
I'm very well acquainted, too, with matters mathematical,
I understand equations, both the simple and quadratical,
About binomial theorem I'm teeming with a lot o' news,
With many cheerful facts about the square of the hypotenuse!*

- Gilbert & Sullivan $P \circ P$

The website for Many Cheerful Facts is
<http://www.math.berkeley.edu/~siveson/cheerful/>