CLAREMONT CENTER for the MATHEMATICAL SCIENCES

C C M S C O L L O Q U I U M

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Between Compactness and Completeness

by

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REVISED ABSTRACT

In this expository talk we look at look at two classes of metric spaces lying between the compact metric spaces and the complete metric spaces. The first is the well-known class of UC spaces, best known as the class of spaces on which each continuous function with values in a metric space is uniformly continuous. The second is the class of cofinally complete metric spaces, best known as the class of spaces in which each "cofinally Cauchy" sequence has a cluster point. We show how these classes are in many ways parallel universes, and explain why.

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Wednesday, October 7, 2009, at 4:15pm

Millikan 134, Pomona College

Refreshments served at 3:45 p.m.

Harry Mullikin Room, Millikan 209

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The dinner will be hosted by Prof. Asuman Aksoy
If interested in attending, call ext. 72769