

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, November 5
2:00 – 3:00 PM
Maria Sanford, Room 101

THE HEWITT
REALCOMPACTIFICATION OF $C_p(X)$

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Abstract

In this talk, we consider the family of real valued continuous functions on a topological space X equipped with the pointwise convergence topology, $C_p(X)$. One of the fundamental questions about $C_p(X)$ is to investigate how the properties of X and $C_p(X)$ are related. In this direction, we prove that the Hewitt realcompactification of $C_p(X)$ is R^X if and only if every countable subset of X is closed, discrete and C -embedded.

For further information:

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AFTERMATH:

Refreshments will follow the colloquium at Castaneda's
(1590 Stanley St. – across from the administration building)