



MARQUETTE
UNIVERSITY

HELEN WAY KLINGLER
COLLEGE OF ARTS AND SCIENCES

Department of Mathematics, Statistics and Computer Science

COLLOQUIUM

THE DOUBLE n -SPACE PROPERTY FOR CONTRACTIBLE n -MANIFOLDS

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3:30 PM, Thursday, February 9, 2017

Cudahy Hall, Room 401

Abstract

Motivated by a recent paper of Gabai (2010) on the Whitehead contractible 3-manifold, we investigate contractible manifolds M^n which decompose or split as $M^n = A \cup_c B$ where $A, B, C \approx \mathbb{R}^n$ or $A, B, C \approx B^n$. Of particular interest to us is the case $n = 4$. Our main results exhibit large collections of 4-manifolds that split in this manner.

1313 W. Wisconsin Avenue, Cudahy Hall, Room 412, Milwaukee, WI 53201-1881

For further information: see <http://www.marquette.edu/mscs/resources-colloquium.shtml>

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*POST COLLOQUIUM REFRESHMENTS SERVED IN
CUDAHY HALL, ROOM 342 AT 4:30 P.M.*