

Year: 2012

Vol.: 81

Fasc.: 3-4

Title: Super-paracompactness and continuous sections

Author(s): David Buhagiar and Valentin Gutev

It is demonstrated that a space X is super-paracompact if and only if for every completely metrizable Y , every l.s.c. mapping from X into the nonempty closed subsets of Y has a compact-valued continuous section.

Address:

David Buhagiar
Department of Mathematics
Faculty of Science
University of Malta
Msida MSD.06
Malta

Address:

Valentin Gutev
School of Mathematical Sciences
University of KwaZulu-Natal
Westville Campus
Private Bag X54001
Durban 4000
South Africa