

## $\mu$ -PARACOMPACTNESS IN A $\mu$ -SPACE VIA HEREDITARY CLASSES

DHANANJOY MANDAL<sup>1</sup>, MANIK DAS<sup>2</sup> AND M. N. MUKHERJEE<sup>3</sup>

ABSTRACT. In this article, we introduce and study a new type of  $\mu$ -paracompactness, termed  $\mu$ - $\mathcal{H}$ -paracompactness of a  $\mu$ -space  $(X, \mu)$  which is defined in terms of a hereditary class  $\mathcal{H}$  on  $X$ . We obtain several characterizations of  $\mu$ - $\mathcal{H}$ -paracompactness. We further investigate the notion of  $\mu$ - $\mathcal{H}$ -paracompactness for subsets of  $X$ , and the invariance of this property under suitable functions.

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<sup>1</sup> DEPARTMENT OF PURE MATHEMATICS, UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019, INDIA.

<sup>2</sup> DEPARTMENT OF MATHEMATICS, DINABANDU ANDREWS COLLEGE, KOLKATA-700084, INDIA.

<sup>3</sup> DEPARTMENT OF PURE MATHEMATICS, UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019, INDIA.

*Email address:* <sup>1</sup> [dmandal.cu@gmail.com](mailto:dmandal.cu@gmail.com), <sup>2</sup> [manikdascu@gmail.com](mailto:manikdascu@gmail.com), <sup>3</sup> [mukherjeemn@yahoo.co.in](mailto:mukherjeemn@yahoo.co.in)