

## ON SOME WEAKER AND STRONGER VERSIONS OF COMPACTNESS

AJOY MUKHARJEE<sup>1</sup>, MADHUSUDHAN PAUL<sup>2</sup> AND M. K. BOSE<sup>3</sup>

ABSTRACT. In this paper, we study some covering notions like  $H$ -closedness,  $S$ -closedness,  $s$ -compactness, strong compactness, and we establish some relations between them. We also obtain a preservation theorem on  $s$ -compactness.

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<sup>1</sup> DEPARTMENT OF MATHEMATICS, ST. JOSEPH'S COLLEGE, DARJEELING, W. BENGAL- 734 104, INDIA

<sup>2</sup> DEPARTMENT OF MATHEMATICS, UNIVERSITY OF NORTH BENGAL, SILIGURI, W. BENGAL- 734 013, INDIA

<sup>3</sup> DEPARTMENT OF MATHEMATICS, UNIVERSITY OF NORTH BENGAL, SILIGURI, W. BENGAL- 734 013, INDIA

*E-mail address:* <sup>1</sup> [ajoyjee@gmail.com](mailto:ajoyjee@gmail.com), <sup>2</sup> [mpaul\\_slg@yahoo.co.in](mailto:mpaul_slg@yahoo.co.in), <sup>3</sup> [manojkumarbose@yahoo.com](mailto:manojkumarbose@yahoo.com)

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