SOFT SEMIPRIMARY INT-IDEALS OF A RING

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Abstract. In this paper, the concept of soft coset of a soft int-ideal \cite{9} in a ring is introduced and some properties have been proved. Then we define soft semiprimary (soft primary) int-ideals and characterize them with their inclusion subsets and characteristic functions. Also some properties of soft semiprimary (soft primary) int-ideals are discussed and it is shown that the direct and inverse images of soft semiprimary (soft primary) int-ideals under homomorphism are also soft semiprimary (soft primary) int-ideals. Finally, we define soft radical of a soft int-ideal and investigate some of its properties.

References

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