

The first U-extension module as a short U-exact sequence

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In 2002, Davvaz and Shabani-Solt introduced the notions of U-complex, U-homology, etc. to generalize some concepts in homological algebra. Inspired by this, in 2016, the authors introduced the notion of U-projective resolutions and U-extension modules. In this paper we will show the relation between the short U-exact sequences and the first U-extension modules.