

عنوان مقاله:

Some properties of intuitionistic fuzzy modules

محل انتشار:

نشریه گسترش مجموعه فازی و کاربردهای آن، دوره 5، شماره 2 (سال: 1403)

تعداد صفحات اصل مقاله: 9

نویسندگان:

Behnam Talaei - Babol Noshirvani University of Technology, Shariati Ave, Babol, Iran

Mehrnoosh Sobhani - Babol Noshirvani University of Technology, Shariati Ave, Babol, Iran

Bijan Davvaz - Department of Mathematics, Yazd University, Yazd, Iran

خلاصه مقاله:

In this paper, we discuss the structure of intuitionistic fuzzy modules and investigate some fundamental properties of them. Also we study about intuitionistic fuzzy homomorphisms between intuitionistic fuzzy modules. We study about exact sequences, products and co-products, functors and relating topics in $IFR\text{-Mod}$ and investigate the relationship between them, where $IFR\text{-Mod}$ is category whose objects are intuitionistic fuzzy modules and morphisms are intuitionistic fuzzy homomorphisms. For a commutative ring R and two intuitionistic fuzzy R -modules $A = (\mu_A, \nu_A) \leq IF M$, $B = (\mu_B, \nu_B) \leq IF N$, we show that $(A, B) = (\alpha, \beta)$ is an intuitionistic fuzzy R -module

کلمات کلیدی:

Intuitionistic fuzzy modules, Intuitionistic fuzzy projective modules, Intuitionistic fuzzy exact sequences

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2029153>

