

**عنوان مقاله:**

A NEW WAY TO FUZZY h-IDEALS OF HEMIRINGS

**محل انتشار:**

مجله سیستم های فازی، دوره 8، شماره 5 (سال: 1390)

تعداد صفحات اصل مقاله: 21

**نویسندگان:**

Yunqiang Yin - School of Sciences, East China Institute of Technology, Fuzhou, Jiangxi ۳۴۴۰۰۰, China

Jianming Zhan - Department of Mathematics, Hubei Institute for Nationalities, Enshi, Hubei Province ۴۴۵۰۰۰, China

Xiaokun Huang - Department of Mathematics, Honghe University, Mengzi, Yunnan ۶۶۱۱۰۰, China

**خلاصه مقاله:**

By means of a kind of new idea, we consider the  $(\text{in}, \text{ivq})$ -fuzzy h-ideals of a hemiring. First, the concepts of  $(\text{in}, \text{ivq})$ -fuzzy left(right) h-ideals of a hemiring are provided and some related properties are investigated. Then, a kind of quotient hemiring of a hemiring by an  $(\text{in}, \text{ivq})$ -fuzzy h-ideal is presented and studied. Moreover, the notions of generalized  $\varphi$ -compatible  $(\text{in}, \text{ivq})$ -fuzzy left(right) h-ideals of a hemiring are introduced and some properties of them are provided. Finally, the relationships among  $(\text{in}, \text{ivq})$ -fuzzy h-ideals, quotient hemirings and homomorphisms are explored and several homomorphism theorems are provided.

**کلمات کلیدی:**

Hemiring,  $(\text{in}, \text{ivq})$ -fuzzy left(right) h-ideals, Generalized  $\varphi$ -compatible  $(\text{in}, \text{ivq})$ -fuzzy left(right) h-ideals

**لینک ثابت مقاله در پایگاه سیویلیکا:**

<https://civilica.com/doc/1476583>

