

研究、探讨

序半群范畴的反射子范畴

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摘要 首先讨论了序半群范畴和Quantale范畴的若干性质以及它们之间的关系, 其次证明了Quantale范畴是序半群范畴的反射子范畴, 最后得到了由Quantale范畴到序半群范畴的包含函子的余伴随函子。

关键词 [序半群](#) [Quantale](#) [拓扑闭包](#) [范畴](#)

分类号

Reflective subcategory of category of ordered semigroup

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Abstract

Firstly, some properties of the categories of ordered semigroup and Quantale and the relationship between them were discussed. Secondly, it was proved that the category of Quantale was the reflective subcategory of the category of ordered semigroup. Finally, the co-adjoint functor for the including functor from the category of Quantale to the category of ordered semigroup was obtained.

Key words [ordered semigroup](#) [Quantale](#) [topological closure](#) [category](#)

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