

数学

遗传挠理论的余投射模和余内射模

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摘要:

通过给出关于遗传挠理论的余投射模和余内射模的概念, 证明了这两类模的一些等价命题, 并揭示了这两类模的对偶性; 利用关于遗传挠理论的余投射模给出了余半单环和余左遗传环的概念, 并研究了这两类环的结构.

关键词:  $\tau$  余内射模  $\tau$  余投射模  $\tau$  挠模  $\tau$  挠自由模

Co-projective Modules and Co-injective Modules Related to the Hereditary Torsion Theory

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Abstract:

The authors presented the concepts of co-projective modules and co-injective modules related to the hereditary torsion theory and proved some equivalent conditions of these two types of modules, revealed the duality of these two types of modules, gave the concepts of co-semisimple rings and left co-hereditary rings by means of co-projective module related to the hereditary torsion theory and studied the structure of these two types of rings.

Keywords:  $\tau$  co-injective module  $\tau$  co-projective module  $\tau$  torsionmodule  $\tau$  torsion free module

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