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Q-modules

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Abstract: In this paper we characterize Q-modules and almost Q-modules. Next we estblish some equivalent conditions for an almost Q-module to be a Q-module. Using these results, some characterizations are given for Noetherian Q-modules.

Key Words: Q-module, almost Q-module, Q-ring, almost Q-ring, Laskerian ring, Laskerian module, Noetherian spectrum, multiplication ideal and quasi-principal ideal.