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Characterizations of Γ-AG^{**}-groupoids by their Γ-ideals

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In this paper we have discusses {\Gamma}-left, {\Gamma}-right, {\Gamma}-bi-, {\Gamma}-quasi-, {\Gamma}-interior and {\Gamma}-ideals in {\Gamma}-AG^{**}-groupoids and regular {\Gamma}-AG^{**}-groupoids. Moreover we have proved that the set of {\Gamma}-ideals in a regular {\Gamma}-AG^{**}-groupoid form a semilattice structure. Also we have characterized a regular {\Gamma}-AG^{**}-groupoid in terms of left ideals.

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