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Basic Theory of r-discrete Groupoids

Farid Behrouzi
Alzahra University

Iran

We introduce the basic notions of r-discrete (tale) groupoids and their C^* -algebras. In particular we discuss the notions of Haar system, quasi-invariant measures, representations, full and reduced C^* -algebras, and crossed products. We also discuss amenability notions for groupoids.

References

1. Jean Renault, A groupoid approach to C^* -algebras, Lecture Notes in Math. 793, Springer, Berlin, 1980.
2. Claire Anantharaman Delaroche, Jean Renault: Amenable Groupoids, Monographie de l'Enseignement Mathématique 36, Genève, 2000.