



Cuntz-Pimsner algebras for subproduct systems

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In this paper we generalize the notion of Cuntz-Pimsner algebras of SC^* -correspondences to the setting of subproduct systems. The construction is justified in several ways, including the Morita equivalence of the operator algebras under suitable conditions, and examples are provided to illustrate its naturality. We also demonstrate why some features of the Cuntz-Pimsner algebras of SC^* -correspondences fail to generalize to our setting, and discuss what we have instead.

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