

DOI:

Cite as:

Submission history

From: Peter Selinger [view email]

Cornell University Library

Search or Article-id (Help | Advanced search) arXiv.org > math > arXiv:1107.3608 All papers Go! Ŧ Mathematics > Category Theory Download: PDF Partially traced categories PostScript Other formats Octavio Malherbe, Philip J. Scott, Peter Selinger Current browse context: (Submitted on 19 Jul 2011 (v1), last revised 4 Apr 2012 (this version, v2)) math.CT < prev | next > new | recent | 1107 This paper deals with questions relating to Haghverdi and Scott's notion of partially traced categories. The main result is a representation theorem for Change to browse by: such categories: we prove that every partially traced category can be faithfully math embedded in a totally traced category. Also conversely, every symmetric monoidal subcategory of a totally traced category is partially traced, so this References & Citations characterizes the partially traced categories completely. The main technique NASA ADS we use is based on Freyd's paracategories, along with a partial version of Joyal, Street, and Verity's Int-construction. Bookmark(what is this?) 📃 🕸 🗶 🚾 🖬 💼 🚽 😭 💇 **Category Theory (math.CT)** Subjects: MSC classes: 18D10 Journal reference: Journal of Pure and Applied Algebra 216(12):2563-

[v1] Tue, 19 Jul 2011 02:15:03 GMT (291kb) [v2] Wed, 4 Apr 2012 04:12:46 GMT (291kb)

Which authors of this paper are endorsers?

2585, 2012

10.1016/j.jpaa.2012.03.026

arXiv:1107.3608 [math.CT]

(or arXiv:1107.3608v2 [math.CT] for this version)

Link back to: arXiv, form interface, contact.