

# Logical and Philosophical Remarks on Quasi-Set Theory

da Costa, Newton C. A. and Krause, Décio (2007) Logical and Philosophical Remarks on Quasi-Set Theory.

Full text available as:

[PDF](#) - Requires a viewer, such as [Adobe Acrobat Reader](#) or other PDF viewer.

## Abstract

Quasi-set theory is a theory for dealing with collections of indistinguishable objects. In this paper we discuss some logical and philosophical questions involved with such a theory. The analysis of these questions enable us to provide the first grounds of a possible new view of physical reality, founded on an ontology of non-individuals, to which quasi-set theory may constitute the logical basis.

**Keywords:** quasi-sets, logic of quantum mechanics, identity, non-individuality, quantum ontology, quasi-objects

**Subjects:** [General Issues: Structure of Theories](#)  
[Specific Sciences: Mathematics](#)  
[Specific Sciences: Physics: Quantum Mechanics](#)

**ID Code:** 3274

**Deposited By:** [Krause, Décio](#)

**Deposited On:** 30 March 2007

**Additional Information:** Forthcoming in the Logic Journal of the IGPL.