

# Digital ecosystem ontomath: Mathematical knowledge analytics and management

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## Abstract

© Springer International Publishing AG 2017. A mathematical knowledge management technology is discussed, its basic ideas, approaches and results are based on targeted ontologies in the field of mathematics. The solution forms the basis of the specialized digital ecosystem OntoMath which consists of a set of ontologies, text analytics tools and applications for managing mathematical knowledge. The studies are in line with the project aimed to create a World Digital Mathematical Library whose objective is to design a distributed system of interconnected repositories of digitized versions of mathematical documents.

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## Keywords

Digital libraries, DML, Formula search, Information retrieval, Linked data, Mathematical content search, Ontology, OntoMath, Semantic search, WDML, World digital mathematical library

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