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the efficient use of materials is of great importance, and the choice of the basic topology for the design of structures and mechanical elements is crucial for the ...

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structural optimization 17, 208-218 @ springer-voting 1999 optimal topology design of structures under dynamic loads* s. min and n. kikuchi

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the field of variable-topology shape design in structural optimization has its origins in theoretical studies of existence of solutions in variational problems, in ...

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topology design of structures. editors: bendsøe, martin p., mota soares, carlos a. (eds.)

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proceedings of the nato advanced research workshop on topology design of structures sesimbra, portugal june 20-26, 1992 library of congress cataloging-in-publication data

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topology design of elastic structures for a contact model s.m. giusti , j. sokolo wski, and j. stebel abstract. in this paper we employ topological derivatives for ...

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topology design of structure loaded by earthquake p. rosko1 1center of mechanics and structural dynamics, institute for building construction and tech-

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TOPOLOGY OPTIMIZATION OF SMART STRUCTURES: DESIGN OF ...

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in this paper, a novel approach to the design of piezoelectric plate and shell actuators using topology optimization is described. a new piezoelectric material model ...

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TOPOLOGY OPTIMIZATION OF STRUCTURES - THE CONSTRUCTOR

Thu, 04 May 2017 00:11:00 GMT

2. topology optimization. the topology of a structure is defined as a spatial arrangement of structural members and joints or internal boundaries.

OPTIMAL EMBEDDING OF RIGID OBJECTS IN THE TOPOLOGY DESIGN ...

Wed, 30 Nov 2016 05:52:00 GMT

abstract extensive published research results exist on the topology design of single-component structures, while multicomponent structural systems have received much ...