



## Changing the connections of structural elements during an optimization process

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Optimization of internal joint connections is the inverse problem of structural optimization. There are three types of internal joints: rigid connection, flexible connection and no connection. A continuous function is chosen to design the type of every joint. These functions are determined by the optimization. The methods presented in this paper can be used for topological design as well. The paper presents the mathematical formulation. The examples shown are compared with the usual topological optimization forms.

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