

---

**CONTENTS**

---

Editorial	305
-----------	-----

**CONTRIBUTED PAPERS**

G. ALLAIRE	309
Explicit lamination parameters for three-dimensional shape optimization	
M.P. BENDSØE, J.M. GUEDES	327
Some computational aspects of using extremal material properties in the optimal design of shape, topology and material	
D. CHENAIS	351
Shape optimization of shells	
N. FUJII, Y. GOTO	383
A potential method for shape optimization problems	
N. FUJII	393
Sufficient conditions for optimality in shape optimizations	
A. GARSTECKI	407
Structural sensitivity analysis and optimal design of frames with respect to joint location	
A. HENROT	427
Continuity with respect to the domain for the Laplacian : a survey	
K.-H. HOFFMANN, J. SOKOŁOWSKI	445
Interface optimization problems for parabolic equations	

A.M. KHLUDNEV	453
Existence of extreme unilateral cracks in a plate	
J. PETERSSON, A. KLARBRING	461
Saddle point approach to stiffness optimization of discrete structures including unilateral contact	
R.P. LIPTON	481
On optimal reinforcement of plates and choice of design parameters	
W.G. LITVINOV	495
Optimization problems on manifolds and the shape optimization of elastic solids	
C. A. MOTA SOARES, J. INFANTE BARBOSA, C. M. MOTA SOARES	513
Axisymmetric thin shell structures sizing and shape optimization	
H. RODRIGUES, P. FERNANDES	553
Topology optimal design of thermoelastic structures using a homogenization method	
A. P. SUETOV	565
A shape optimization algorithm for an elliptic system	
SHORT COMMUNICATION	
K. PIEKARSKI	575
On an optimization problem for Kirchhoff plate	