



Optimization technique in case of time-dependent loading

<http://www.firstlight.cn> 2002-06-14

The structural design problem is solved in case of time-dependent loading. The state variables are given in function space, where the Fritz-John theorem is not proved. Approximating the functions by generalized Fourier-series, the coefficients become unknowns. Transforming the problem into Banach space, where the Fritz-John theorem is proved, the problem is solvable.

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