

METHOD FOR THE DESIGN OF A REGULATOR FOR VIBRATION DAMPING AT A LIFT CAGE

Abstract:

In this method an overall model of a lift cage (1) with known structure is predetermined. The model parameters are known to greater or lesser extent or estimations are present,
5 wherein the parameters for the lift cage (1) used are to be identified. In that case the frequency responses of the model are compared with the measured frequency responses. With the help of an algorithm for optimisation of functions with numerous variables the estimated model parameters are changed to achieve the greatest possible agreement. The model with the identified parameters forms the basis for design of an optimum
10 regulator for active vibration damping at the lift cage (1).

(Fig. 1)