The authors study vibrations in the linear system

\[ M\ddot{q} + Cq = 0, \]

where \( M = M^T > 0, \) \( C \neq C^T \) are real \((m \times m)\)-matrices, and \( q \) is a vector of generalized coordinates. In the paper the formulae are presented which describe typical modifications of the characteristic curves in system (1) depending on the parameter vectors.

A.A. Martynyuk (Kyïv)

Keywords: circulatory systems; modifications of characteristic curves

Classification:
- 70J40 Parametric resonances
- 70K50 Transition to stochasticity (general mechanics)

Cited in ...