**UDC 621.43**

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**124.**

**The eigenvalue and eigenvector problem for the casting**

**of engine crankcase and heat flow problem for the casting of**

**crankcase are discussed in this article. The solid model of the**

**crankcase and then its finite element model are obtained. First**

**five eigenvalues, their eigenvectors and corresponding dynamic**

**stress intensity distribution, the heat flow problem for**

**the casting of engine crankcase are considered. Il. 6. Bibliogr. 3**

**names.**