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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 151 Publisher: Hefei University Press Pub. Date :2008-12. This book first for a variety of The most widely used mechanical devices. basic straight shaft-bearing system to carry out the tribological. stiffness and strength coupled theoretical and experimental research. On this basis. the crankshaft-bearing system for internal combustion engine tribology. stiffness and strength of the coupling studies. In the derivation of the journal bearing oil film thickness in the tilt of the equations and calculations to establish the elastic deformation of the bearing bore surface deformation matrix. based on the calculated tilt radial journal bearing oil film pressure. oil film reaction force. side vent flow. friction and bearing friction and maintain the stability of the torque and other parameters. excluding the journal with the tilt of the comparison. analysis of the different parameters journal bearing tilting of the bearing performance. and to explore the radial bearing account journal on the tilt affect the significance of the theoretical analysis. Established a journal shaft deformation caused by the load bearing tilt in the tilt angle is calculated. Reynolds equations and analysis methods. the deformation of the shaft under load resulting in tilting of the bearing journal bearing lubrication performance. According to the bearing lubrication analysis to determine the load boundary conditions. finite element method the bearing oil film pressure distribution pattern on the axis of stress. Study developed a straight shaft bearing lubrication bearing system special test equipment. the axis of rotation by the size of the constant load deformation resulting in the bearing journal bearing tilting a-lubricating properties were studied. Comparison of experimental and theoretical results. to verify the theoretical analysis used in the basic equations. formulas and methods for...



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