

# AN EHD ANALYSIS OF COMPLEX-LOADED BEARINGS

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An elastohydrodynamic lubricating model is presented for the problem of a hydrodynamic lubricating fluid in elastic structure that includes distributed structural inertia. The Mass-conserving fluid method has been used. In the present work, an EHD simulation has been conducted for a big end connecting rod bearing.

*Elastohydrodynamic lubricants theory, connecting rod bearing, Elrod's equation*

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