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horizontal fiber stress estimate of about $S_X = 143 \text{ MPa}$, ..., iii ABSTRACT Stress Analysis and Optimization of Crankshafts Subject to Dynamic Loading The main objective of this study was to investigate weight and cost reduction, Fatigue and Dynamic Loading 1. ... $\hat{\epsilon}$ i t h f t i t t h f f i i t t h t t d i t f t i i s t h e fatigue strength coefficient, the true stress corresponding to fracture in, STATIC AND DYNAMIC BENDING STRENGTH OF THE LEG P ... and bending moment during static and dynamic loading of the tibia ... The local stress due to combined ..., 5 Calculations for Structures under Mechanical Load ... 5.1.1 Deformation Behavior under Uniaxial Dynamic Tensile Stress ... The nature of the load and the group into ..., 7-SPUR GEAR DESIGN 7.7 Buckingham equation for dynamic load on gears. ... and also a stress concentration factor based on a tooth fillet radius of $0.35/P$., Dynamic Pile Load Testing James A ... allow direct computation of the compression stress ... $\hat{\epsilon}$ High Strain Dynamic Testing encompasses Dynamic Pile Monitoring and ...

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