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Computational Models For The Analysis Of Bending Fatigue In Gears And Correlated Change With Micropitting

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Abstract

This paper deals with the development of computational models for the analysis of bending fatigue in gears and correlated change with micropitting. Their computational models developed by the authors not only correlated but also used for determining the service life of gears with regard to bending fatigue in gear tooth root. The failure is due to crack initiation and crack propogation. They demonstrated their models by working on 42CrMo4.