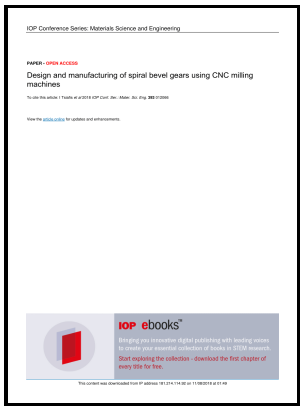
Generation of spiral bevel gears with zero kinematical errors and computer aided tooth contact analysis

National Aeronautics and Space Administration, Lewis Research Center - Generation of spiral bevel gears with zero kinematical errors and computer aided simulation of their meshing and contact



Description: -
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Transmissions (machine elements)
Noise reduction.
Misalignment.
Gears.
Gear teeth.
Computer aided design.
Mechanical engineering.
Gearing.Generation of spiral bevel gears with zero kinematical errors and computer aided tooth contact analysis
-
AVSCOM technical report -- 86-C-2.
USAAVSCOM technical report -- 86-C-2.
NASA technical memorandum -- 87273.Generation of spiral bevel gears with zero kinematical errors and computer aided tooth contact analysis
Notes: Microfiche. [Washington, D.C. : National Aeronautics and Space Administration], 1986. 1 microfiche.
This edition was published in 1986

Filesize: 32.51 MB

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. In this work, the helicopter approach trajectory is optimized via a multiobjective genetic algorithm to improve community noise, passenger comfort, and pilot acceptance. .

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A JT8D engine was modified to reduce jet noise levels by 6-8 PNdB at takeoff power without increasing fan generated noise levels.

Computer

. The singularity is removed when previously ignored nonlinear terms are retained. .

Head

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