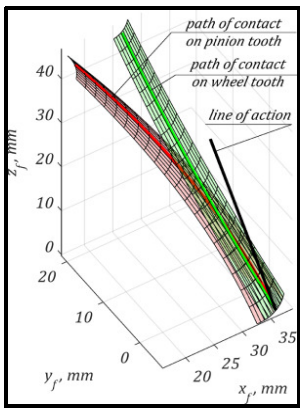
Generation of spiral bevel gears with zero kinematical errors and computer aided tooth contact analysis

National Aeronautics and Space Administration, Lewis Research Center - Identification of the Machine Settings of Real Hypoid Gear Tooth Surfaces



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.
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Generation of spiral bevel gears with zero kinematical errors and computer aided simulation of their meshing and contact

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Fan speed was varied from 60 to 120 percent of takeoff design speed, and exhaust nozzles having areas.

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Based on projections of ICLS. .

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Modes with similar cutoff ratios propagate similarly in the duct and in addition propagate similarly to the far field. Topics: NASA Technical Reports Server NTRS , AERODYNAMIC NOISE, EXTERNALLY BLOWN FLAPS, NOISE REDUCTION,. The NASA Lewis Research Center and the U.

Head

The modifications consisted of extensive aircraft design changes resulting in substantial noise reductions following state-of-art noise reduction

techniques. The high tip speed of the propeller, combined with the speed of the airplane, results in supersonic relative flow on the propeller tips.

Identification of the Machine Settings of Real Hypoid Gear Tooth Surfaces

Using the developed computer programs, we may determine: a the kinematical errors, b the dimension and orientation of the instantaneous contacting ellipse, and its motion over the gear tooth surfaces and c the influence of errors of manufacturing and assembly, and the adjustment of gears to these errors. In contrast to most prior experimental studies on ejectors that reported either aerodynamic or acoustic data, our work documents both types of data. Topics: NASA Technical Reports Server NTRS , AIRCRAFT COMPARTMENTS, HELICOPTERS, NOISE REDUCTION, AIRCRAFT.

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Topics: NASA Technical Reports Server NTRS , ENGINE INLETS, ENGINE NOISE, NOISE REDUCTION, TURBOFAN.

Related Books

- Aristotles Metaphysics, Books [gamma], [delta], and [epsilon]
- Legislatura 1989-1993 - informe de actividades
- On the borderlines of semiosis - proceedings from the ISI conferences 1991 and 1992 in Imatra
- Derecho del trabajo ; Derecho procesal del trabajo
- Hkoa Lò - tuap truyuen