

WAYS 3D PARAMETRIZATION TJ BLADES FOR USE CAD/CAM/CAE PACKAGES

© 2008 V. G. Smelov, I. L. Shitarev

Samara State Aerospace University

Article is devoted to an actual problem of modern aviation propulsion engineering - to creation of parametrical model blades. In article results of work on parametrization blades the compressor of 7 steps of engine NK 14 ST are resulted. The program on creation macros for formation 3D is submitted to model to a feather blades. Areas of use of results of work are discussed.

Model, blade, parameters, program, solid modeling, 3D-parametrization

Smelov Vitaliy Gennadievich, Candidate of Engineering Science – associate professor of Samara State Aerospace University “Aircraft Engine Designing” department. Phone: 8 (846) 2674776. E-mail: pdla_smelov@mail.ru. Area of research: electrochemical processing, high-velocity processing of hardened materials.

Shytarev Igor Leonidovich, Doctor of Engineering Science – professor, head of Samara State Aerospace University “Aircraft Engine Designing” department. E-mail: pdla@ssau.ru. Area of research: engine designing issues.

References

1. Smirnov G.V. and Smelov V.G. Mathematical modeling of the Electrolytic Di-

mensional Machining Process. SSAU Reporter, part 1, 2003.

2. M. Krasnov and Y.Tchegichev. Unigrafics for experts. Moscow: “LORI Publication”, 2004.