

**Complex Modeling of Mechanical, Dynamic
and Radio-Technical Characteristics of Space Reflector**

A.S. Evdokimov, S.V. Ponomarev

*Research Institute of Applied Mathematics and Mechanics of Tomsk
State University, Tomsk*

Key words and phrases: directional pattern; computer modeling; strength coefficient; large reflector; finite element method; stressed state; forms of natural vibration.

Abstract: The paper deals with complex technique of computer modeling of perspective reflectors based on mechanics of deformed firm body and electrodynamics.