

**95-0269**

The invention relates to the machine building, namely to the gear wheels working. The purpose of the invention consists in increasing of the precision and expansion of technological possibilities at the expense of providing the continuous multipair conjugation of teeth in the machine engagement and obtaining of teeth having different profile curvatures.

The given purpose is attained by the fact that the wobbling motion is communicated to the instrument relative to the co-ordinate system OXYZ which is characterized by the Euler angles  $\theta$  and  $\varphi$  the additional motion the trajectory of which is described by equalizations presented in the claim of the invention.