

Inertial planetary momentum transformer can be used in infinitely variable transmissions of vehicles and gears of machines for general and special purposes. This transformer has driving planet carrier, driven central cylindrical wheel, at least two satellites with installed with possibility of rotation with respect to the axes, in normal position to one of diameter planes of each satellite, debalances. Each of debalances is connected to the planet carrier with conic gear with gear ratio equal to one, at that one of the wheels of the conic gear is rigidly connected to the planet carrier coaxially to respective satellite, and the other one is rigidly connected to debalance. Increase of reliability is achieved at all the modes of work of the structure.