

UDC 621.43

Kukis V.S. About the possibility of approximating in operating cycle of Stirling engine / V.S. Kukis, V.A. Romanov,

A.I. Rybalko, Y.A. Postol // Internal combustion

engines. – 2010. – № 2. – P. 18-22.

A working cycle approximation with eight-polytropic processes, which has been occurred in the inner loop of Stirling engine is proposed. Meaningful boundaries of each of the eight polytropic processes are grounded. Results of evaluation of the adequacy of the proposed model and its advantage over the other thermodynamic models, known from the literature are showed. Tabl. 1. Il. 4. Bibliogr. 6 names.