PROFILE GENERATION METHOD FOR TWIN SCREW
COMPRESSOR ROTORS BASED
ON THE MESHING LINE

Camelia POPA, Nicolae OANCEA, Alexandru NASTASE
“Dunărea de Jos” University of Galati

ABSTRACT

A method for generation of the profile of twin screw compressor rotors from a meshing line is analytically derived. The solution obtained depends only on the distance between the rotor axis, the lobe number of both rotors and the given meshing line description. Requirements of the meshing line are listed and an analysis is carried out to obtain optimal profile design.

REFERENCES