RESEARCH ON THE LONG BLADES OF THE STEAM TURBINE

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ABSTRACT
Long blades of the final stage ensure the improvement of the output and compactness for large steam turbines. The paper refers to the long blades design using two different methods. The first method is based on the thermal and gas dynamics computation applying 3D flowing laws. For the second method the profile was obtained using the geometrical principles of homothetie with the existing long blades. The radial trends of the main blade characteristics and the compatibility of the two methods are presented.

REFERENCES