

IOP Conference Series: Materials Science and Engineering 2016 vol.134 N1

A mathematical model of the controlled axial flow divider for mobile machines

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Abstract

The authors give a mathematical model of the axial adjustable flow divider allowing one to define the parameters of the feed pump and the hydraulic motor-wheels in the multi-circuit hydrostatic transmission of mobile machines, as well as for example built features that allows to clearly evaluate the mutual influence of the values of pressure and flow on all input and output circuits of the system.

<http://dx.doi.org/10.1088/1757-899X/134/1/012039>
