

عنوان مقاله:

Dynamic Simulation of 120 Control Valve and Its Test Rig

محل انتشار:

دومین کنفرانس بین المللی پیشرفتهای اخیر در مهندسی راه آهن (سال: 1388)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

A computer simulation model of Chinese air brake 120 control valve and its test rig is established. The computer model can simulate almost all rig testing processes of the 120 valve. The simulation results show good consistence with the test results from actual rig tests. Specific simulation case studies find that when rig tests are conducted with a single brake cylinder and auxiliary reservoir on the rig versus that with multiple brake cylinders and auxiliary reservoirs of respectively equivalent total volumes, the braking performances do not differ significantly. The findings presented in this paper show that the simulation model provides a useful tool in designing air brake control valves and test rigs

کلمات کلیدی:

railway, control valve, test rig, pneumatic brake, brake simulation

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