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## **The solution of the thermoelastic equilibrium problem for cylindrical tubes with big torsion angle**

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**ABSTRACT.** In this paper, the coupled problem of the thermoelastic equilibrium for cylindrical tubes with big torsion angle is solved. The mathematical model of isotropic elastic cylinders with big torsion angle is also presented. Using this new mathematical model, we actually solve the thermoelasticity problem for cylindrical tubes.

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