

THERMAL CYCLING TOUGHNESS ESTIMATION OF FUEL TANK REFUELED BY CRYOGEN PRODUCT

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In this paper it is described the decision of task of determination tensions in the universal gas tank's wall in terms its interaction with vaporizing cryoagent. In order to decide this task it is used the method of unstationary heat conducting calculation for temperature tensions' investigation. The received data's analyzing allows saying that during gazification process tank wall's temperature tensions are less than tension strength.