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DELAYED FRACTURE OF LAYERED
DAMAGEABLE HEAVY HALF-PLANE WEAKENED
BY TWO CIRCULAR HOLES

Abstract

The scattered fracture of a heavy half-plane with a circular hole under the action of internal constant pressure is investigated. A rectilinear side of a border of the half-plane is under load. The Suworov-Akhundov's theory on isotropic bodies' damage is used. In chosen final investigated area a numerical way of the solution is used and border conditions in infinity were transferred on it. Lateral thrust coefficient three values illustrations on time of development of the destroyed area are given.