

THE PROBLEM ON COMPRESSION OF PRESTRAINED SURFACE,
WEAKENED BY RECTILINEAR CRACK (CASE OF EQUAL ROOTS)

Abstract

In the paper the elastic compressible or in-compressible isotropic body with arbitrary form of elastic potential is considered. It is assumed that elastic-equivalent directions coincide with the axis direction of chosen coordinate system. The obtained results give the possibility make the series results related to the influence of initial stresses on the contact segment.