

KEY WORDS

Thermo-elastic, inertia effect, delta function, Laplace Transform, asymptotic expansion, prestressed, superposition, incompressible body, hemispherical, paraboloidal, small deformation, circular region of exposure, thermal stress, isotropic, flux of heat, Fourier Hankel Transforms, paraboloidal temperature distribution, axisymmetric, thermal strain, radial stress, anisotropic, insulated, modulus of rigidity, normal stress, straight boundary, transversely isotropic, asymmetric, parabolic, strain, heat nucleus, Bessel function, Fourier transform, elastic waves, impulsive heat nucleus, periodic heat nucleus.