

ON SOME SOLUTIONS IN THE PLANE EQUILIBRIUM THEORY FOR TRIPLE-POROSITY SOLIDS

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In this paper we consider the 2D linear equilibrium theory of elasticity for triple-porosity/triple-permeability model. We construct the fundamental and singular matrices of solutions for the system of equilibrium equations in terms of elementary functions. Some basic properties of the fundamental solution are also established. Representation of regular solution is obtained.

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