AN APPROXIMATE SOLUTION OF LONGITUDINAL DISPERSION OF MISCIBLE FLUID FLOW THROUGH POROUS MEDIA

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ABSTRACT

In this paper we have discussed the miscible displacement. This displacement plays important role in research and studying the problem of such displacement of fresh water by sea water in coastal areas for the hydrologist. The problem has become important to people who are trying to dispose safely underground of ever increasing amounts of atomic waste products from nuclear reactors. The miscible displacement has also become useful in oil industries as well as chemical industries.

KEYWORDS: Longitudinal, Dispersion, Miscible, Porous Media, Phenomenon

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