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Finite Difference Approach to Determination of Capacity of Sliced Drainage System

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Abstract: *Starting from the basic differential equations for unsteady flow finite difference, expressions have been developed for the determination of water levels and discharges from sluiced drainage systems. Limited comparisons available indicate that the results obtained closely approximate the actual behaviour of such systems. This paper presents a method developed that is of an iterative nature and is ideally suited for solution with a digital computer.*

Keywords: *Finite difference approach, water levels and discharges, drainage*