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Estimation of two-dimensional velocity distribution profile using General Index Entropy in open channels

Shahab Aldin Shojaeezadeh, Seyyed Mehrab Amiri



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Highlights

1. Two Dimensional velocity distribution is derived employing General Index Entropy in combination with a cumulative distribution function which has been proposed by Marini et al.
2. The results of proposed method show good agreement with experimental and field observations.
3. Dimensionless Parameter G is defined in a way that has less sensitivity to flow conditions.

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