

FRICITION FACTOR IN OPEN CHANNEL

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ABSTRACT

There is reduction in mean velocity of flow in steep slope for larger size of roughness material. There is more roughness for larger size of roughness material with respect to Darcy Weisbach resistance coefficient as compared to Manning's roughness coefficient. There is more roughness for larger size of roughness material with respect to $\frac{d}{D_{50}}$ as compared to $\frac{d}{D_{84}}$.

Subject Headings: Boulders, Channels, Drag, Flow Resistance, Flumes

KEYWORDS: Friction Factor, Hydraulic Geometry, Roughness