

## **DRAG FORCE IN OPEN CHANNEL**

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### **ABSTRACT**

Velocity of flow is more for lesser size of roughness material i.e. for 0.75 inch roughness bed and we know that roughness is more effective in high velocity of flow to raise more depth of water hence more wetted frontal cross sectional area and function of effective roughness concentration depends upon wetted frontal cross sectional area hence function of effective roughness concentration is more for 0.75 inch roughness bed as compared to 1.5 inch roughness bed. Also the size of 0.75 inch roughness bed is lesser than mean depth of flow as compared to 1.5 inch roughness bed hence we get more frontal cross sectional area for 0.75 inch roughness bed hence function of effective roughness concentration is more for 0.75 inch roughness bed.

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

**KEYWORDS:** Friction Factor, Function of Effective Roughness Concentration, Roughness