

# APPLICATION OF UNSTEADY NUMERICAL MODEL MIKE 11 IN THE DETERMINATION OF RESISTANCE COEFFICIENT

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**Abstract:** This paper presents the application of unsteady numerical model MIKE 11 for the determination (calculation) of resistance coefficient in the bed of the Neretva river downstream from HEPP Mostar in conditions of large (flood) waters. On the stretch from WMS Sutina to WMS Mostar, relatively high values of resistance coefficient for large waters were obtained ( $n \approx 0.085 \text{ m}^{-1/3} \cdot \text{s}$ ), which can be explained by exceptionally irregular shape of the bed (conglomerates intersected by caverns and caves).

**Key words:** unsteady flow, resistance coefficient, MIKE 11, Neretva river.



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