



## **Modeling of rainfall-run off by using of Hec-HMS(Case study: Ziyarat Basin/ Iran)**

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### **Abstract**

The dangers of flood in Iran country especially mountainous regions and the error of common regressions, using of reliable hydrological models similar Hec-HMS can help for analysis carefully. We can find hydrological good answer of basin and hydrograph and actual amounts of parameters in other basins by using of Hec-HMS model. In research used rainfall-run off model of Ziyarat basin (north Iran-East south of Caspian sea) and GIS modeling for similarity. Then compare results of these models.

Key word: HEC-HMS, GIS, rainfall-run off, Ziyarat, Iran