

Some Peculiarities to Calculate River Runoff Coefficient

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River runoff coefficient is one of the important factors characterizing the river water regime. It is the ratio between the runoff depth in the basin and the sum of atmospheric precipitations in the given period of time. The calculation of the runoff coefficient allows identifying the amounts of atmospheric precipitations flowing into the river basin, used for evaporation and filtration. At the same time, it is expedient to calculate the runoff coefficient for a long period, while it provides only a conventional description for a short period (for a year, season or month) as the atmospheric precipitations fallen in the basin, particularly hard precipitations in winter, supplies water to the river only during the spring season.

In order to establish the contemporary picture of the runoff coefficient, the data of the hydrological and meteorological stations in some river basin are considered.