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Unified theory for stochastic modelling of hydroclimatic processes:
Preserving marginal distributions, correlation structures, and
intermittency

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1 Highlight:

- 2 • Stochastic modelling reproducing any marginal distribution and linear correlation
3 • Applicable in univariate, cyclostationary and multivariate cases
4 • Precise modelling of precipitation, river discharge, wind, etc. at any time scale
5 • Parametric correlation transformation functions unify and simplify the scheme
6 • Empirical correlation representation through parsimonious parametric functions

7

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