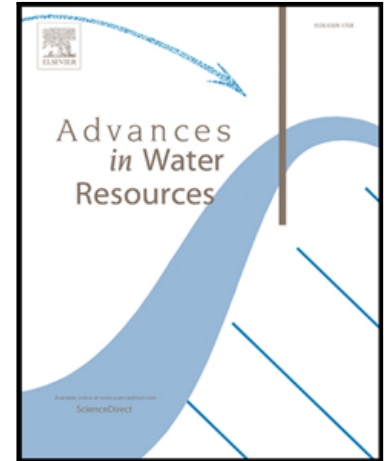


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Characterizing the impact of model error in hydrologic time series recovery inverse problems

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Highlights

- A hydrologically important class of inverse problems is analyzed mathematically.
- A new way of symbolically representing model error via Fourier series is presented.
- Error bounds derived using only most significant terms in model series expansion.
- Extra data collection locations do not reduce expected model error when inverting.
- A case study showing problem severity, transfer function ID heuristic is shown.

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