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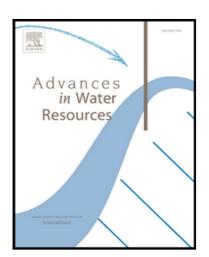
A particle batch smoother for soil moisture estimation using soil temperature observations

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Highlights

- A particle batch smoother (PBS) is derived from the standard particle filter.
- The PBS is used to determine soil moisture profile by assimilating soil temperature.
- The PBS outperforms the standard particle filter with similar computational cost.
- The PBS provides a valuable tool to determine soil moisture from DTS.

Chillip Martis

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