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Estimation of thermophysical properties from in-situ measurements in all seasons: quantifying and reducing errors using dynamic grey-box methods

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1 HIghlights

- U-values and systematic errors were estimated from data monitored across seasons
- \bullet Uniform, static and dynamic error quantification methods were compared and discussed
- A method for the quantification of systematic error for dynamic analysis was proposed
- The dynamic method always reduced the error on U-value compared to the static method.
- Dynamic are more robust than static methods to low average temperature differences

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