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Methodology For Scaling The Performance Results Of A Small Scale Heat Energy Exchangers

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Abstract

In this paper the authors developed a methodology for scaling the performance results of a small scale heat energy exchanger. A small scale model was developed by the authors, since testing with a full scale energy exchanger is often expensive and time consuming. They concluded that the similarity results for the IAMEE show that the small scale IAMEE effectiveness results can be used to predict the performance of the full scale IAMEE with in a deviation of $\pm 2\%$.