Abstract

The objective of this work is to compare performances of three training functions (TRAINBR, TRAINCGB and TRAINCGF) used for training neural network for predicting the value of the specific heat capacity of working fluid, LiBr-H2O, used in vapour absorption refrigeration system. The comparison is shown on the basis of percentage relative error, coefficient of
multiple determination R-square, root mean square error and sum of the square due to error.

Reference

<table>
<thead>
<tr>
<th>Key words</th>
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<tbody>
<tr>
<td>ANN (Artificial Neural Network)</td>
<td>VAR (Vapour Absorption Refrigeration System)</td>
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<td>R2 (Coefficient of multiple determination)</td>
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<td>LiBr-H2O</td>
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