Erratum

Erratum to “Combining belief functions based on distance of evidence” [Decision Support Systems Volume (38/3) 489–493]

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In the numerical example (on page 491) of the paper “Combining belief functions based on distance of evidence” [Decision Support Systems Volume (38/3) 489–493], the computation results listed in Table 1 (on page 491) are incorrect. The correct combination results by using different combination rules are listed in the new Table 1 below.

Table 1
Results of different combination rules of evidence.

<table>
<thead>
<tr>
<th></th>
<th>m A</th>
<th>m B</th>
<th>m C</th>
<th>m A,B</th>
<th>m A,C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dempster’s combination rule</td>
<td>0</td>
<td>0.8571</td>
<td>0.1429</td>
<td>0.1543</td>
<td>0.0988</td>
</tr>
<tr>
<td>Murphy’s average combination rule</td>
<td>0</td>
<td>0.5568</td>
<td>0.0782</td>
<td>0.1543</td>
<td>0.0988</td>
</tr>
<tr>
<td>Proposed modified average combination rule</td>
<td>0</td>
<td>0.7469</td>
<td>0.0988</td>
<td>0.0988</td>
<td>0.0988</td>
</tr>
</tbody>
</table>

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