Summary of rules for combining independent and statistical uncertainties

<table>
<thead>
<tr>
<th>Relationship</th>
<th>Uncertainty obtained from</th>
</tr>
</thead>
<tbody>
<tr>
<td>( p = f(x,y,z,\ldots) )</td>
<td>(</td>
</tr>
<tr>
<td>( p = x + y )</td>
<td>( \Delta p = \sqrt{(\Delta x)^{2} + (\Delta y)^{2}} )</td>
</tr>
<tr>
<td>( p = x - y )</td>
<td>( \Delta p = \sqrt{(\Delta x)^{2} + (\Delta y)^{2}} )</td>
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<tr>
<td>( p = xy )</td>
<td>( \frac{\Delta p}{</td>
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<tr>
<td>( p = \frac{x}{y} )</td>
<td>( \frac{\Delta p}{</td>
</tr>
<tr>
<td>( p = Bx )</td>
<td>( \Delta p = B \Delta x )</td>
</tr>
<tr>
<td>( p = Ax^{n} )</td>
<td>( \frac{\Delta p}{p} = n \frac{\Delta x}{x} )</td>
</tr>
<tr>
<td>( p = \log x )</td>
<td>( \Delta p = \frac{1}{2.3x} \Delta x )</td>
</tr>
<tr>
<td>( p = \sin \theta )</td>
<td>( \Delta p =</td>
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