
Subject: TrainResistance definition in MathML

Posted by [Thomas Albrecht](#) on Tue, 27 Aug 2013 10:17:02 GMT

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Dear colleagues,

we want to exchange rolling stock data for train running simulation in the context of a traffic management system.

Therefore we need a description of the train resistance, the wiki and rolling stock schema say:

<http://wiki.railml.org/index.php?title=RS:trainResistance>

There are two possibilities to describe the resistance: 1) valueTable or 2)mathml.

ValueTable should be straightforward, but in practice, it seems that rather formulas of the kind

$fW = A + C * (V + X)$ (A, C parameters, V speed of train, X wind speed)

or similar are given, which is probably better formulated using MathML.

There is no documentation so far on the usage of MathML, therefore some questions here for the forum on experiences:

A) Has anyone worked with MathML?

B) Should we use standard symbols and units in order to make it understandable?

Best regards

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