
Subject: Re: Modelling transition bends

Posted by [Christian Rahmig](#) on Mon, 08 Dec 2014 10:00:49 GMT

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Dear railML IS users,

Am 03.12.2014 08:59, schrieb Christian Rahmig:

> [...]

>>

>> (1) add further description of the radiusChange using the description
>> attribute. Thus, the type of the curve can be described. If not empty,
>> possible values can be:

>>

>> * UA_cubicParabola

>> * UA_parabola4

>> * UA_clothoide

>> * UA_WienerBogen

>> * UA_BlossBogen

>> * UA_Sinusoide

>> * UA_Cosinusoide

>> * UA_other

>> * UE, which marks the end of the transition curve.

>>

>> [...]

>

> Instead of the abbreviations 'UA' and 'UE' that are derived from the
> German terms "Übergangsbogenanfang" and "Übergangsbogenende", it is
> suggested to use the English driven abbreviations 'TS' (Tangent -
> Spiral) and 'SC' (Spiral - Curve).

>

> [...]

here comes the proposed solution for the transition curve problem:

A new attribute named "geometryElementDescription" has been added to the element <radiusChange>. It is an enumeration parameter, which provides the following entries that enable a more detailed description of transition curves:

* TS_cubicParabola

* TS_parabola4

* TS_clothoide

* TS_WienerBogen

* TS_BlossBogen

* TS_Sinusoide

* TS_Cosinusoide

* SC

* (any other)

As already mentioned, the abbreviations TS (Tangent - Spiral) and SC (Spiral - Curve) describe the points at the beginning and at the end of the transition curve.

The modifications have been implemented for railML 2.3 with SVN revision 616. For more details, see the Trac ticket [1].

[1] <http://trac.railml.org/ticket/251>

Best regards

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Christian Rahmig
railML.infrastructure coordinator
