
Subject: Re: Modelling transition bends

Posted by [Christian Rahmig](#) on Wed, 03 Dec 2014 07:59:44 GMT

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Dear everyone,

Am 01.12.2014 22:11, schrieb Christian Rahmig:

> [...]

>

> at the last railML.org conference in Paris on 07.10.2014, I presented a
> solution for the transition curve problem, which is applicable to railML
> 2.2 (see [1]).

>

> In particular, there are two possible approaches based on <radiusChange>
> element (see [2]):

>

> (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_Sinusoid

> * UA_Cosinusoid

> * UA_other

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

>

> [...]

> [1]

> http://documents.railml.org/events/slides/2014-10-08_rahmig-railmltransitionbends.pdf

>

> [2] <https://trac.railml.org/ticket/251>

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).

<http://docs.autodesk.com/CIVIL/2010/ENU/AutoCAD%20Civil%202010%20User%20Documentation/index.html?url=WSfacf1429558a55de6812d1041fa83470-7288.htm,topicNumber=d0e117613>

Best regards

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Christian Rahmig
railML.infrastructure coordinator
