Svensson Bolennarth

Från:	Svensson Bolennarth
Skickat:	den 30 oktober 2012 11:57
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Ämne:	Trade-Off evaluation

Dear Jürgen,

I have worked a bit on finding out a reasonably simple formula to evaluate alternative V_{alt} and Dc_{alt} values that are acceptable judging from certified values V, Dc and D. A proposal that is generates the same acceptable region as I showed in Garching goes like this:

1) Evaluate the two quotients V_{alt}/V and $(Dc_{alt} - Dc)/(D - Dc)$
2) If those quotients fulfill the relation below the alternatives are OK to use.

$$\frac{V_{alt}}{V} + \frac{\sin(\pi \frac{V_{alt}}{V})}{10} \leq 1 - \frac{D_{alt} - D_c}{D - D_c}$$

Of course the overall boundaries are $V_{alt} < V$ and $Dc_{alt} < D$

This reasonably compact to go into a regulation text. What do you think?
I am working on the V vs. S trade off.

I thought I heard some of you saying that you had national approaches to some of these issues. If so could you please send them to me. To be able to progress fast enough we need to work in between the meetings. Hence my request.

Best Regards

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