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Subject: Re: TNMIN limits

Posted by [jameskuyper](#) on Tue, 04 Dec 2007 13:22:13 GMT

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biophys wrote:

> Hi, Brain

>

> Thanks for bringing my attention to amoeba. The function I'm

> minimizing contains infinite summation of integral terms containing

> Gamma functions and Bessel functions etc. My TNMIN minimization

> converges better with derivatives provided than without. But it is

> definitely worth to give it a shot with amoeba. Its reflection

> contraction scheme seems to be a very efficient way of marching toward

> convergence.

Efficient is not the right word; when other methods work, amoeba is almost always slower than those other methods. The great advantage of amoeba isn't its efficiency, but its reliability. It will work on problems that most other methods can't handle.

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