Subject: Re: solving equation consisting of points - sort of...
Posted by pgrigis on Thu, 06 Nov 2008 15:07:12 GMT
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Is your curve given by a table of data or by a mathematical equation?
In the latter case, you may in principle achieve any desired
precision,
in the former there's a fundamental limit given by your sampling.

Ciao,
Paolo

shokland wrote:
> I have a parametric curve, where I wish to calculate the parameter
> value, t, at fixed positions along the trace, g. I calculate the
> arclength a_i for a set of parameter values t_i, and now wish to
> somehow solve the equations: t_j = a_j with t_j as the unknown. Does
> anyone have a suggestion for performing this in an elegant (and
> mathematically sound) manner? Obviously, given, a_k, one could find l,
> such that a(t_l)<a_k and a(t_(l+1)) > a_k and perform a linear
> interpolation to find t_k, but as said, I'm wondering if there's a
> better way...
>
> Thanks in advance for any help you can offer.
>
> Kind regards,
> Steffen