Subject: solving equation consisting of points - sort of...
Posted by shokland on Thu, 06 Nov 2008 14:49:17 GMT
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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