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Subject: how can I implement arcsinc

Posted by [Paul Woodford](#) on Fri, 03 Nov 2000 16:19:24 GMT

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I would like to create an  $x = \text{asinc}(y)$  function to solve  $\text{sinc}(x) = y$ , where  $\text{sinc}(x) = \sin(x)/x$ , over the interval  $x=[0,\pi]$ . I looked at IDL's non-linear solvers, but they require creating a function  $\text{sinc}(x) - y$  first. I guess it's possible to create a function from within a function, but it's none too elegant. Does anyone know of a better way?

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