Subject: Interpol asymmetric?
Posted by Christian on Thu, 24 May 2012 23:01:37 GMT

I've traced some problems to an unlikely source... For me, INTERPOL does not always work symmetrically when using the quadratic setting! (ie - the reverse of the output from reversed input is not the same as the regular output). From the definition of what it's (supposed to be) doing in the documentation it seems that it should.

For example, if I enter:
test = [0,1,2,3,4,5,5,4,3,2,1,0]
plot, interpol(test,100,/quad), psym=5
oplot, interpol(test,100)

I find that the peak produced by /quad is lopsided, with an extra bulge on the right hand side. This is using IDL 7.0. Presumably other people experience the same phenomena? I couldn't find any reference to this on the web - is this a known problem or maybe I misread the documentation? Any workaround? I would prefer to get what the left-hand side of this simple example looks like, but on both sides...