
Subject: Re: Finding a Tangent line
Posted by [Chris Lee](#) on Sat, 19 Feb 2005 14:36:12 GMT
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In article <1108750898.355794.131660@l41g2000cwc.googlegroups.com>, "AMandra@gmail.com" <AMandra@gmail.com> wrote:

> I'm very new to IDL, so I apologize if this is simple problem. I'm
> doing research involving infrared images of Mars. A graph of pixel
> saturation will be linear than go cubic to a zero slope as it saturates.
> However, the test in the program we run doesn't seem to work with some
> images that were given extra current. What I'd like to do is test the
> slope of the tangent line until it goes towards zero for saturation,
> however I'm not sure how to do this and I can't make heads or tails of
> the help file on DERIV or anything else I think would be helpful. The
> fit is being taken with polyfit. I appreciate any help, and I'm sorry
> if that was extremely vague.

A graph of pixel saturation against what will be linear? If it's a graph of pixel saturation versus current. Plot the data? Assuming you have that data, i.e.

plot, current, pixel_value

but you don't say what data you have, or what the test program is.

Chris.
