
Subject: how to contour the wave front in a image.
Posted by [Ding](#) on Sat, 01 May 2010 16:36:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dear All,

I am analyzing a 2D data, which is displayed as an image. The image size is about 30*5000, there are ripple features in the image. I am going to find the all the wave fronts and linearly fit each front to obtain the slope of the lines.

As the wave fronts repeat thousands of times, I am trying to develop a procedure to do it automatically.

One possibility is to find the all the local vertical maxima along the wave front and fit it, but the program will not be able to distinguish adjacent wave fronts, of course there are discontinuities, which will also collapse the code.

Does anyone have some ideal to improve the algorithm? This is is also a challenge is computer graphics, well know as feature recognition!

Thank you!
