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Subject: Re: clipping with polyfill

Posted by [Mark Hadfield](#) on Tue, 26 Mar 2002 21:56:30 GMT

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"David Fanning" <david@dfanning.com> wrote in message  
news:MPG.170a8e0a84f81cef989850@news.frii.com...

> James Kuyper (kuyper@gsccmail.gsfc.nasa.gov) writes:

>

>> It seems to me that this does the right thing only when the edges

>> of the polygon that are clipped are perpendicular to the clipping

>> boundary. Otherwise, it changes the orientation of those edges.

>

> Right, that's what all that replacement nonsense I wrote before was

> about. If the clipping plane is not exactly on a data boundary, the

> edges of the polygon will be off and you will have to replace the

> data value with the clipping value. You will have to interpolate,

> essentially. :-)

I haven't been following this thread very closely, but are you talking about clipping a polygon to a rectangular region? If so my MGH\_POLYCLIP might be of use. It clips a 2D polygon to a vertical or horizontal line. Apply it four times to clip to a box. As explained in the header, it's based on a function of JD's but I did some performance tuning (and changed the name to annoy him). See:

<http://katipo.niwa.cri.nz/~hadfield/gust/software/idl/>

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Mark Hadfield

m.hadfield@niwa.co.nz

Ka puwaha et tai nei

<http://katipo.niwa.co.nz/~hadfield> Hoea tatou

National Institute for Water and Atmospheric Research (NIWA)

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