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Subject: Cubic interpolations

Posted by [gsh7w](#) on Mon, 18 Mar 1991 06:28:24 GMT

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I am looking for an IDL procedure, or a FORTRAN or C program that can be linked to IDL, which would rotate images using a cubic interpolation algorithm. More generally, I would be looking for an emulation of POLY\_2D that would include a cubic interpolation option.

Our group has found (using a mainframe) that rotation with cubic interpolation significantly reduces the smearing that can occur when using the bilinear algorithm. There is, of course, a significant increase in computation time, but workstations are now powerful enough that this can be an interactive option.

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