Subject: Re: color value interpolation from colorbar
Posted by j.coenia@gmail.com on Fri, 05 Dec 2008 15:50:42 GMT
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I fixed the RGB plot and uploaded it to Picasa:

http://picasaweb.google.com/j.coenia/ColorInterpolation?auth key=H9iPrIqxX1c#

I will look into how the images were made. The colors were automatically overlaid on the images by the scanning equipment. Maybe I will have to contact the manufacturers.

Someone has given me a brute force HSV color matching function. There is no curve fitting involved, but it seems promising. The text below is from the header notes:

; The input colors (sampled from the colorbar) are broken into blocks every n colors, and
; the extremes of H, S, and V are used to define a cube. All possible HSV-tuples
; within the cube are selected that correspond to possible colors in RGB space, which can
; optionally be reduced by a compression factor. The function returns a 3xn array of
; rgb triples corresponding to the INTERPOLATED colors in the reduced rgb colorspace
; (num of colors = (256/compression)^3 ).

I'll post the results from this function soon, and I'll try to implement Peter's more elegant approach (next week?).

Thanks again.