Subject: Re: RMS error Posted by Craig Markwardt on Wed, 12 May 2004 15:11:43 GMT View Forum Message <> Reply to Message

Paul Van Delst <paul.vandelst@noaa.gov> writes:

> Craig Markwardt wrote: >> David Fanning <david@dfanning.com> writes: >> >> >>> Julio writes: >>> >>>> I'd like to calculate Root Mean Square error using a base image and a >>> secondary image. How can I do that? Clues are welcome! >>> >>> rms_error = Sqrt(Total((img_1 - img2)^2)/N_Elements(img_1)) >> >> >> Hey David, I'll pile on too. The problem I see with the above >> expression is that there could be an offset between the two images, >> which you are including in your TOTAL expression, and hence biasing >> the rms value. > Errmm... isn't that intended? RMS errors include the bias. Std deviations don't. At any > rate, that's how I use 'em. This is what I've got on my wall:

It's a good question for the original poster!

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Craig