
Subject: Re: correlation between images

Posted by [C.E. Ordonez](#) on Fri, 03 Apr 2009 14:43:28 GMT

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Wox wrote:

> Hi all,

>

> I have two images and I want to check (statistically) whether they are
> "the same" and show it to others so they will believe me :-).

>

>

> I'm still not satisfied though. Does anyone use another statistical
> method to compare images? (I tried IDL's c_correlate but I can't
> figure out what the result means...)

>

>

> Thanks

>

> Wox

Another possibility is the use of "mutual information" in a manner as
applied to image registration. For example, see F. Maes, et al.,
"Multimodality image registration by maximization of mutual
information," IEEE Trans. Med. Imaging, Vol. 16, No. 2, 1997, pp187-198.

Also,

http://ranger.uta.edu/~hchen/CSE6392_2005spring/references/M I_survey_maes.pdf

-Caesar
