
Subject: Re: correlation between images
Posted by [Mike\[2\]](#) on Wed, 08 Apr 2009 14:20:48 GMT
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On Apr 8, 4:04 am, Wox <s...@nomail.com> wrote:

> On Mon, 6 Apr 2009 10:12:07 -0700 (PDT), Mike

>

> <Michael.Mill...@gmail.com> wrote:

>> That reminded me that the open source program gqview includes a tool

>> for finding duplicate images based on a similarity measure. Maybe the

>> code would shed some light...

>

> The code can be found in "similar.c"

>

> It seems that both images are subdivided in 32x32 subimages. For each

> subimage the average value is calculated. Then the (normalized) sum of

> differences between the two resulting 32x32 arrays is taken as

> similarity measure.

>

> So this is similar to the RMS approach.

>

> As for the SPMs: it seems I'll have to invest a lot of time to

> understand and implement this. You seem to have doubts about its use

> in my case. Do you think it's worth the effort?

That depends on the details of how what you'd be using it for. The section on experimental design in www.fil.ion.ucl.ac.uk/spm/doc/intro/ might help you answer that question.

As for implementing it for a single experiment, it's not that hard. Making a general system would be complicated, but you could use the (matlab-based (please forgive my heresy)) SPM software.

Mike
