
Subject: re: AutoCorrelation

Posted by [J.P.Lewis](#) on Mon, 09 Dec 1996 08:00:00 GMT

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- > Article-ID: 12_1996&818300
- > Date: Wed, 4 Dec 1996 09:44:32 -0800
- > Has anybody written a auto correlation or cross correlation function
- > which is also fast

A paper on how to do *normalized* cross-correlation in the frequency domain in Vision Interface 95 (the standard convolution theorem gives you un-normalized correlation). The frequency domain method was found to be 5-15x faster than spatial domain normalized correlation, depending on the image size.

A version of the paper is available online under:
www.idiom.com/~zilla/Research.html
