
Subject: AutoCorrelation

Posted by [sbradley](#) on Wed, 04 Dec 1996 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Has anybody written a auto correlation or cross correlation function
which is also fast

Many thanks

Simon

Subject: re: AutoCorrelation

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

[View Forum Message](#) <> [Reply to Message](#)

> 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
