
Subject: Re: Faster image median filtering
Posted by [wlandsman](#) on Fri, 24 Jun 2011 22:33:43 GMT
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I think suspect that the IDL implementation of MEDIAN is reasonably optimal (e.g. using a rolling window). In the ancient days of IDL, MEDIAN() only worked on byte data, and I used to use a CALL_EXTERNAL to a C program for float data. But when support for floating data in MEDIAN was added, it was definitely faster than my CALL_EXTERNAL setup.

Having said that you might look at scaling your data to byte. The MEDIAN() is the midpoint of ordered data, and the order should be maintained after byte scaling (except that resolution is lost, so some nonequal values become equal). And MEDIAN is *much* faster on byte data.

--Wayne
