Subject: Re: advanced image enhancement
Posted by David Oesch on Mon, 14 Oct 2002 16:23:35 GMT
View Forum Message <> Reply to Message

<html>
<head>
</head>
<body>
thany you guys...
it works fine!

D

Liam E. Gumley wrote:
<blockquote type="cite" cite="mid:3DAAF70C.1367D29F@ssec.wisc.edu">
<pre wrap="">"Liam E. Gumley" wrote:
</pre>
<blockquote type="cite">
<pre wrap="">David Oesch wrote:
</pre>
<blockquote type="cite">
<pre wrap="">Is there any other possibility to enhance the content of an bytarr
image? I tried BYTSCL and HIST_EQUAL, but ?m actually lokking for a Root
enhancement, also known as a logarithmic transform, which particularly
effective with images whose grey level distribution exhibits right
skewness. The root enhancement stretches the dynamic range of the low
end of the image while compressing its high end. It tends to lend an
 overall brightening to the resultant image.Has anyone implemented such
an enhancement in IDL?
</pre>
</blockquote>
<pre wrap="">Here's a simple example of a square root enhancement:

a = dist(256)
scale = (a - min(a)) / (max(a) - min(a))
tv, byte(255.0 * scale) ; linear enhancement
tv, byte(255.0 * sqrt(scale)) ; square root enhancement

For extra credit, turn this into a function that accepts MIN, MAX,
BOTTOM, and NCOLORS keywords.
</pre>
</blockquote>
<pre wrap=""><!---->
I should have check the User Libraries first:

 http://www.astro.washington.edu/deutsch-bin/getpro/library13.html?SQRTSCL

Cheers,
Liam.
Practical IDL Programming
http://www.gumley.com/
</pre>
</blockquote>

<pre class="moz-signature" cols="$mailwrapcol">--

David Oesch - Remote Sensing Research Group

Department of Geography

University of Bern Tel : +41 (0)31 631 8020
Hallerstr. 12 Fax : +49 (0)89 2443 43780
CH - 3012 Bern Mail: <a class="moz-txt-link-abbreviated"
href="mailto:David.Oesch@giub.unibe.ch">David.Oesch@giub.unibe.ch
Switzerland <a class="moz-txt-link-freetext"
href="http://www.giub.unibe.ch/remsen">http://www.giub.unibe.ch/remsen

Remote Sensing is...
Staying as far away from the problem as possible.
- G. Archer, World Bank

_____

</pre>

</body>
</html>