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Subject: Re: tif image 16 bit. autolevel

Posted by [tojocky](#) on Mon, 02 May 2011 10:03:20 GMT

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OK, Now I'm able to print the histogram!

before autolevel:

and after autolevel:

and the algorithm:

```
Vector<XY> hist_data;
for(int i=0;i<256;++i)
    hist_data << XY(i, 0);

const RGBA *s = ~img;
const RGBA *e = s + img.GetLength();
while(s < e) {
    v_curr_value = (s->r+s->g+s->b)/3;
    hist_data[v_curr_value].y++;
    if(hist_data[v_curr_value].y>v_max_y)
        v_max_y = hist_data[v_curr_value].y;
    s++;
}
```

The easy way remain how to compute the autolevel algorithm in base of histogram!

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#### File Attachments

- 1) [histogram\\_1.PNG](#), downloaded 770 times
  - 2) [histogram\\_2.PNG](#), downloaded 703 times
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