Automatic image rotation based on a logo

Asked 16 years, 3 months ago   Modified 7 years, 2 months ago

Viewed 1k times

▲

3

▼

🔖

🕘

We're looking for a package to help identify and automatically rotate faxed TIFF images based on a watermark or logo.

We use libtiff for rotation currently, but don't know of any other libraries or packages I can use for detecting this logo and determining how to rotate the images.

I have done some basic work with OpenCV but I'm not sure that it is the right tool for this job. I would prefer to use C/C++ but Java, Perl or PHP would be acceptable too.

opencv   tiff   watermark   image-rotation

Share

Improve this question

Follow

edited Oct 20, 2017 at 12:12

User
118 ● 1 ● 6

asked Aug 28, 2008 at 15:50

sig11
539 ● 5 ● 13

3 Answers

▲

1

▼

🔖

✔

🕘

You are in the right place using OpenCV, it is an excellent utility. For example, this guy used it for template matching, which is fairly similar to what you need to do. Also, the link Roddy specified looks similar to what you want to do.

I feel that OpenCV is the best library out there for this kind of development.

@Brian, OpenCV and the IntelIPP are closely linked and very similar (both Intel libs). As far as I know, if OpenCV finds the intel IPP on your computer it will automatically use it under the hood for improved speed.

Share Improve this answer

Follow

edited Aug 29, 2008 at 10:33

answered Aug 29, 2008 at 10:07

Lehane
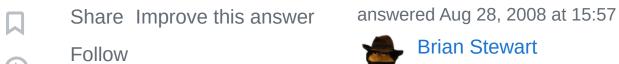**48.6k** 🟡 14 ⚪ 55 🟠 54

▲

0

▼

The Intel Performance Primitives (IPP) library has a lot of very efficient algorithms that help with this kind of a task. The library is callable from C/C++ and we have found it to be very fast. I should also note that it's not limited to just Intel hardware.

answered Aug 28, 2008 at 15:57

Brian Stewart

9,267 ● 11 ● 55 ● 66

▲

0

▼

That's quite a complex and specialized algorithm that you need.

Have a look at
http://en.wikipedia.org/wiki/Template_matching. There's also a demo program (but no source) at
http://www.lps.usp.br/~hae/software/cirateg/index.html

Obviously these require you to know the logo you are looking for in advance...

answered Aug 29, 2008 at 9:34

Roddy

67.9k ● 44 ● 170 ● 280