

## OpenCV - Bug # 756: MSER detector is missing keypoints on binary images

<b>Status:</b>	Done	<b>Priority:</b>	Normal
<b>Author:</b>	Ilya Lysenkov	<b>Category:</b>	features2d
<b>Created:</b>	2010-12-11	<b>Assignee:</b>	
<b>Updated:</b>	2015-05-21	<b>Due date:</b>	
<b>Affected version:</b>	branch 'master' (3.0-dev)		
<b>Difficulty:</b>			
<b>Pull request:</b>			
<b>Operating System:</b>	Any		
<b>HW Platform:</b>	Any		
<b>Description:</b>	MSER is working very strangely on binary images. For example it can miss very stable regions. I've attached an image where a left region is detected and a right region is missed by mser_sample.		

### Associated revisions

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#### 2013-04-04 03:57 pm - Andrey Kamaev

Merge pull request #756 from taka-no-me:libavcodec53.25.0

### History

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#### 2010-12-11 06:53 pm - Liu Liu

I will look into the problem next week. My guess is, the provided sample image is an edge case about how derivative approximated in MSER implementation.

#### 2010-12-11 06:59 pm - Ilya Lysenkov

Fine! Thank you for the quick response.

#### 2011-04-30 02:00 pm - Maria Dimashova

Hello, liuliu.

Have you looked into the problem? Judging by the sample image there is really a bug in MSER implementation.

#### 2012-03-21 10:59 pm - Alexander Shishkov

- Target version deleted ()

#### 2012-03-25 10:42 pm - Alexander Shishkov

- Assignee deleted (Liu Liu)

#### 2012-04-04 02:05 pm - Vadim Pisarevsky

- Priority changed from High to Normal

lowering priority of the bug, since there are not many MSER users out there

#### 2012-04-05 02:48 pm - Alexander Shishkov

- Target version deleted ()

#### 2015-05-21 04:25 pm - Vadim Pisarevsky

- Target version set to 3.0

- HW Platform set to Any

- Operating System set to Any

- Affected version set to branch 'master' (3.0-dev)

finally!!! fixed in <https://github.com/ltseez/opencv/pull/4025>. That required almost complete rewrite of MSER

**2015-05-21 04:25 pm - Vadim Pisarevsky**

- Status changed from Open to Done

## Files

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sample.png	243 Bytes	2010-12-11	Ilya Lysenkov
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