

## README

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The CM.zip code includes:

readme.txt	this file!
optMapMae.cpp	actual code for calculation of CM
getCMM.m	calculating the CM (calls the mex file)
PrepBnd.m	sampling the contours (if too long)
evalImgwSOD.m	evaluate an object boundary (given in an image) against the SOD dataset by CM

Steps to using this code:

- 1) Download CM.zip and unzip (for example in C:\CM\).
- 2) In Matlab, go to above folder and mex the .cpp file (type: mex optMapMae.cpp)
- 3) Provide coordinates of points on two contours to getCMM as input and it will give you the CM distance between the contours.

If you want to compare the boundary generated by your algorithm on BSD images to the ground truth dataset (SOD) by the CM measure, you need the following additional steps:

- 1) Download SOD.zip from website and unzip (for example in C:\SOD\)
- 2) Change the SODPath in evalImgwSOD.m to the SOD path in step 1, if necessary.
- 3) run evalImgwSOD with the algorithm boundary image, the image number (as in BSD), and sampling step size (if the contours are too long)

Please send your comments/ questions/ bug reports to:

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