

Laser pointer drawing

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Abstract

Project Laser pointer drawing is about computer processing images captured through the webcam. In image from camera is found lighted point, coordinates of this point are transformed to dataprojector coordinates and they are used to draw on screen or do something else. Application is written in Objective C and uses Mac OS X libraries.

Processing image

Transformation

Viewing

References

[1] D.-K. Kim, B.-T. Jang, C.-J. Hwang A Planar Perspective Image Matching using Point Correspondences and Rectangle-to-Quadrilateral Mapping in *Image Analysis and Interpretation*, IEEE Southwest Symposium 2002

Thanks