

**Ildikó PAPP**

University of Debrecen

Faculty of Informatics, Department of Computer Graphics and Image Processing

H-4010 Debrecen P.O. Box 12, Hungary

e-mail: papp.ildiko@inf.unideb.hu

**Miklós HOFFMANN**

Institute of Mathematics and Informatics

Eszterházy Károly College

H-3300 Eger, Leányka str.4., Hungary

e-mail: hofi@ektf.hu

## ISOOPTICS OF QUADRATIC BÉZIER CURVES

The alpha-isoptic of a convex curve consists of those points in the plane from which the curve can be seen under the given angle alpha. General properties of these curves have been studied earlier as well as their description by support functions. But it is not usually possible to determine the support function for Bézier curves. In this lecture we provide the construction of isooptics of quadratic Bézier arcs. The effect of alteration of the given angle and paths of the fixed points of the isoptic curves are also studied.