

USING GEOMETRICAL IMAGE MODIFICATION FOR DISPLAYING IMAGES CAPTURED FROM SPHERICAL SURFACES ON COMPUTER SCREENS

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Abstract: *The paper presents the problem of representing spherical surfaces on computer screens using digital imaging and image processing techniques. It is focused especially on the transformation, using geometrical methods, of pictures taken from spherical surfaces or reflections from spherical surfaces into the Cartesian coordinates system.*

Key words: *computer graphics, image processing, geometrical transformations, Cartesian-to-polar and inverse transformations.*

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