IMPLEMENTATION OF SETTING OF THE REAL STEREOSCOPIC SEQUENCES FOR THE SOFTWARE FOR PROCESSING VISUAL EFFECTS

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**STEREOCOPY**

A technique for creating the illusion of depth in images. Our work realizes the support in a field of visual effects in postproduction with a focus on stereoscopy. Work informs about problems of stereoscopy and visual effects. Stereoscopy is used in many industries including healthcare, engineering and of course art. Our work combines knowledge from various fields in tools for creating whole range of stereo imagery.

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**VISUAL EFFECTS**

Visual effects are using stereoscopy to create films for 3D theaters. We aim to create free tools for creating stereo videos for virtual reality, 3D theaters/monitors. We help artists to focus on creativity and imagination.

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**SOLUTION**

This work gradually pass through the history, functions of eyes and technical elements of stereoscopy. We have created a stereo system for visual effects software. We implement the proposed system using real camera settings and we create tools for stereoscopic composition. We use this tool to create a stereoscopic shot. We have tested our tools in film postproduction company. Our work optimise math formulas to create fast algorithm. We provide tools that let users to create, preview, export and edit stereoscopic data. Reader gain knowledge from whole process of creating stereoscopic shot in real example.