Computer System of Wall Decoration on the base of Programmable DirectX Library

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Decoration of walls by art stones is aesthetically sensitive task where risk not to be fitted in customer's requirement is high.

Solution in this case is development of Computer Modeling System of Art Designing (CMAD). CMAD in this case realize two main functions: generation of several decoration alternatives and 2D/3D visualization of wall and whole scene.

Wall decoration is carried out by art stones with different dimensions and textures. Therefore, corresponding algorithm responds to requirements coming from the heuristic rules and randomize stones selection in rest of the cases.

The paper presents detailed description of algorithm, the ways how output of algorithm is connected with programmable DirectX library and CMAD which was built at Georgian Technical University.