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(57) Abstract :
A system (100) for visualizing a three-dimensional (3D) model as printed from a 3D printer (150), comprising a computer system having a processor (102) and a memory (306), capable of receiving a 3D model file. The system is configured to generate a visualization of the printed object based on various parameters related to the printing process. An user is configured to adjust the said parameters, and a 3D printer connected to the computer and used to print the object as visualized by the system. The parameters related to the printing process include printing material, layer thickness, and printing speed. A camera or scanner to capture images of the printed object and compare them to the visualization generated by the system.

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