On-The-Fly Print

Incremental Printing While Modeling

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Our 5DOF system contains a platform that can yaw and pitch, allowing the user to print a wireframe preview WHILE designing the 3D model. Our software plugin can look out the user’s design process, automatically generate printing G-code, and update physical preview incrementally. Users can check the design in a real usage context by removing the partial physical print from the printer. Our system allows for digital content modification with quick physical correction using a cutting blade.

Design Process
Design and print of the aircraft model from scratch takes less than 10 min.

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