Shapr3D

Untitled

Grid Snap | Ortho | Planar | SmartTrack | Gumball | History | Default

Perspective | Top | Front | Right

Top

Perspective

Front

Right

Persistent
One shot

End
Near
Point
Midpoint
Center
Intersection
Perpendicular
Tangent
Quadrant
Knot
Vertex
On curve
On surface
On polysurface
On mesh
Project
SmartTrack

Disable all

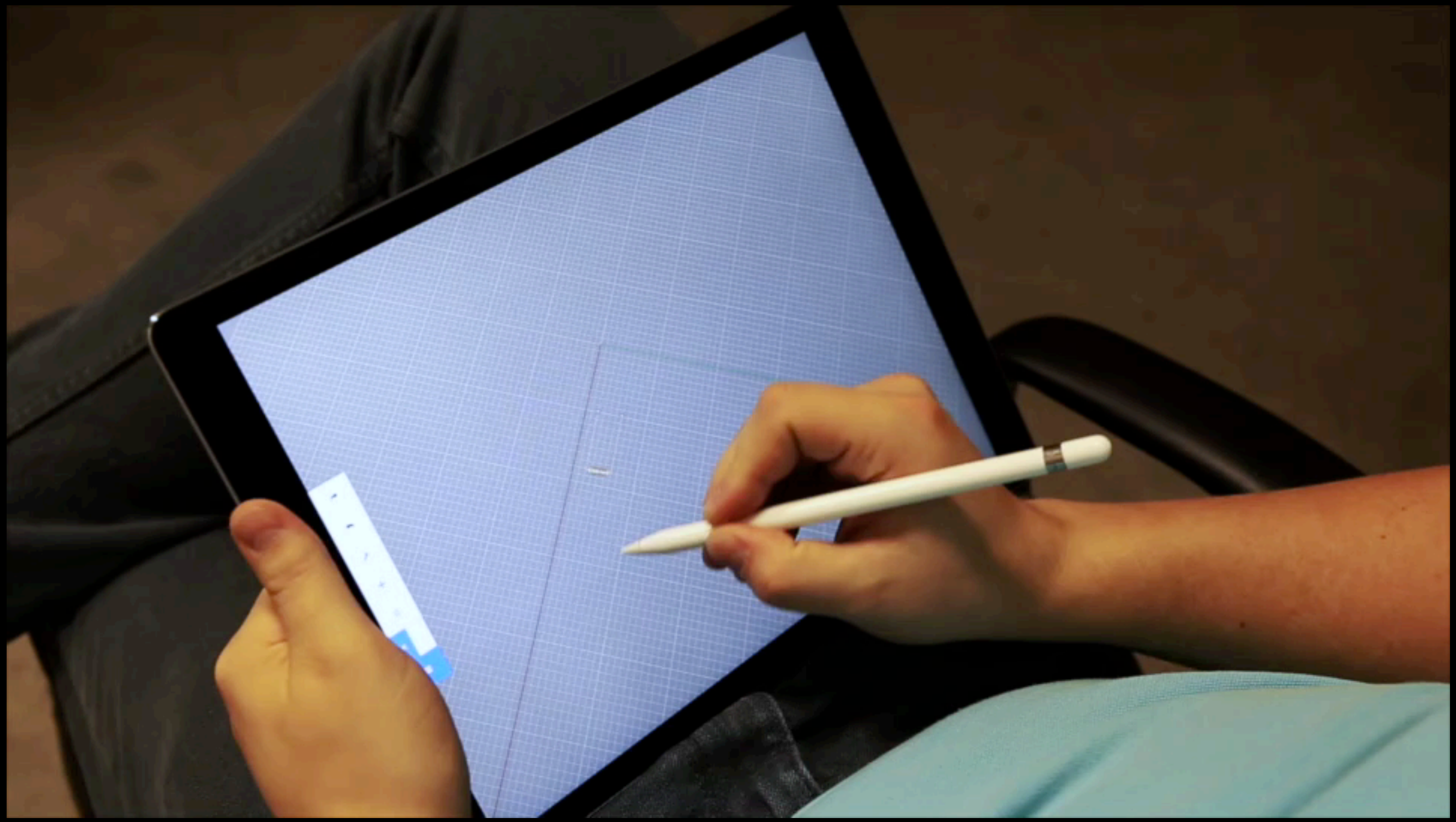
Name | Materia

Default
Layer 01
Layer 02
Layer 03
Layer 04
Layer 05

Named views

Restore

CPlane X: 240.62 Y: -34.37 Z: 0.00



iPad Pro

Even complex tasks like creating, rendering, and manipulating a **3D design** or editing multiple streams of 4K video happen quickly and with unparalleled smoothness.

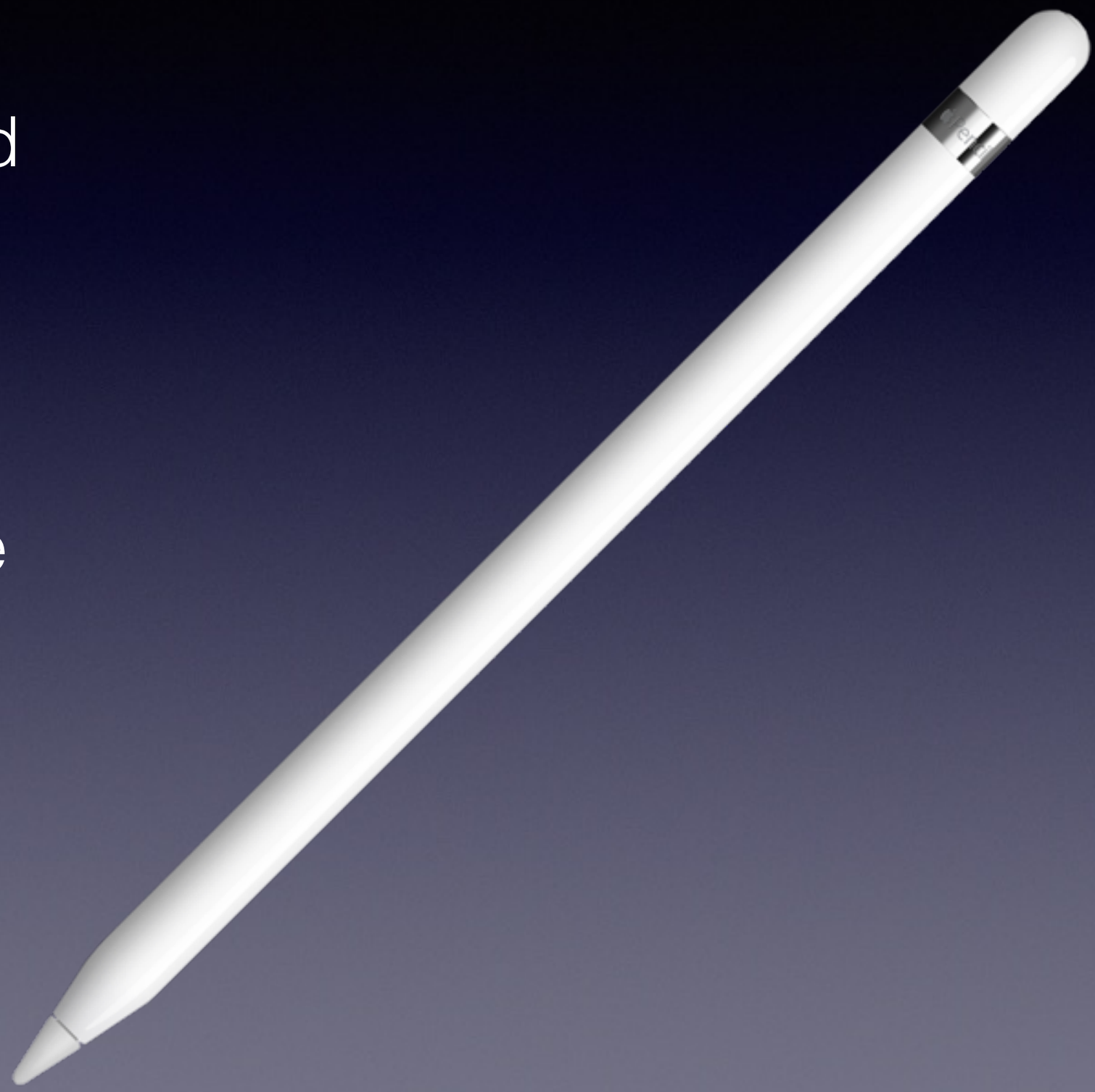
Apple Pencil

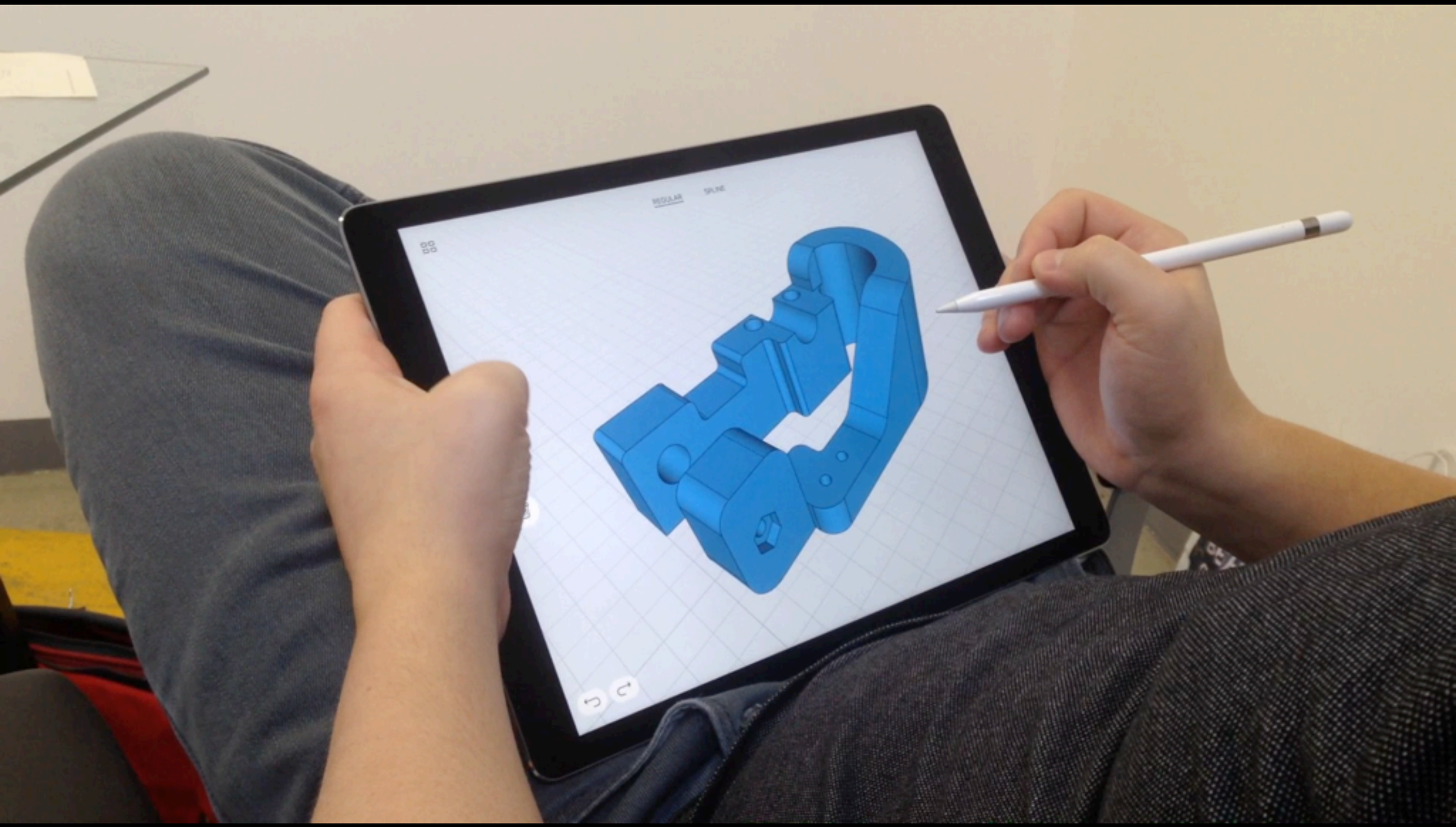
Super precise and responsive

Predicts events

Pressure sensitive

Tilt sensitive




REGULAR
SPLINE

Shapr3D UI (Swift)

Visualisation (Objective-C, Swift, GLSL)

Shapr3D kernel (C++14)

OpenCASCADE
(C, C++, since1990)

OCCT
extensions
(C++14)

QA

```
TEST_CASE_METHOD(GenerateFacesTestFixture,
"Generate faces from two
triangles","[GenerateFacesFromEdgesTests]")
{

    // C-D
    // |\|
    // A-B
    AddVertex("A", gp_Pnt2d(0.0, 0.0));
    AddVertex("B", gp_Pnt2d(1.0, 0.0));
    AddVertex("C", gp_Pnt2d(0.0, 1.0));
    AddVertex("D", gp_Pnt2d(1.0, 1.0));

    AddEdge("A", "B");
    AddEdge("B", "C");
    AddEdge("C", "A");
    AddEdge("C", "D");
    AddEdge("B", "D");

    VerifyResultingFaces({{"A", "B", "C"},
{"C", "D", "B"}});
}
```

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