



Project Part 2 Terrain Rendering



Basic topics (0..4/6)



3 points: implementation of technique

1 points: visual quality of results



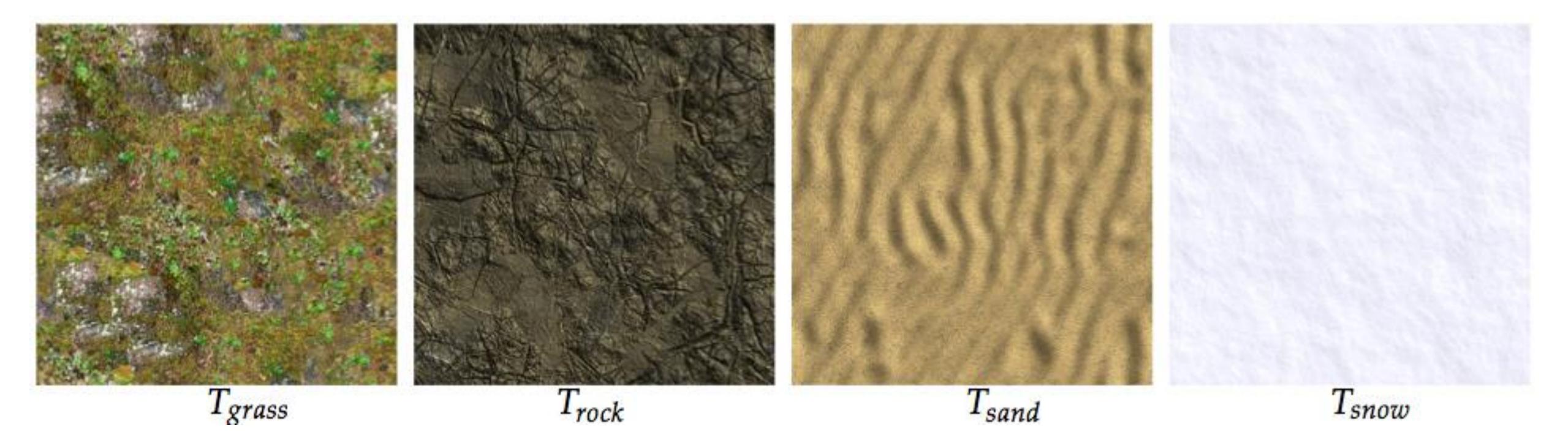


Improved texturing

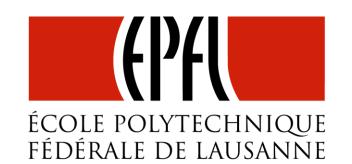


Texturing: weighted blend



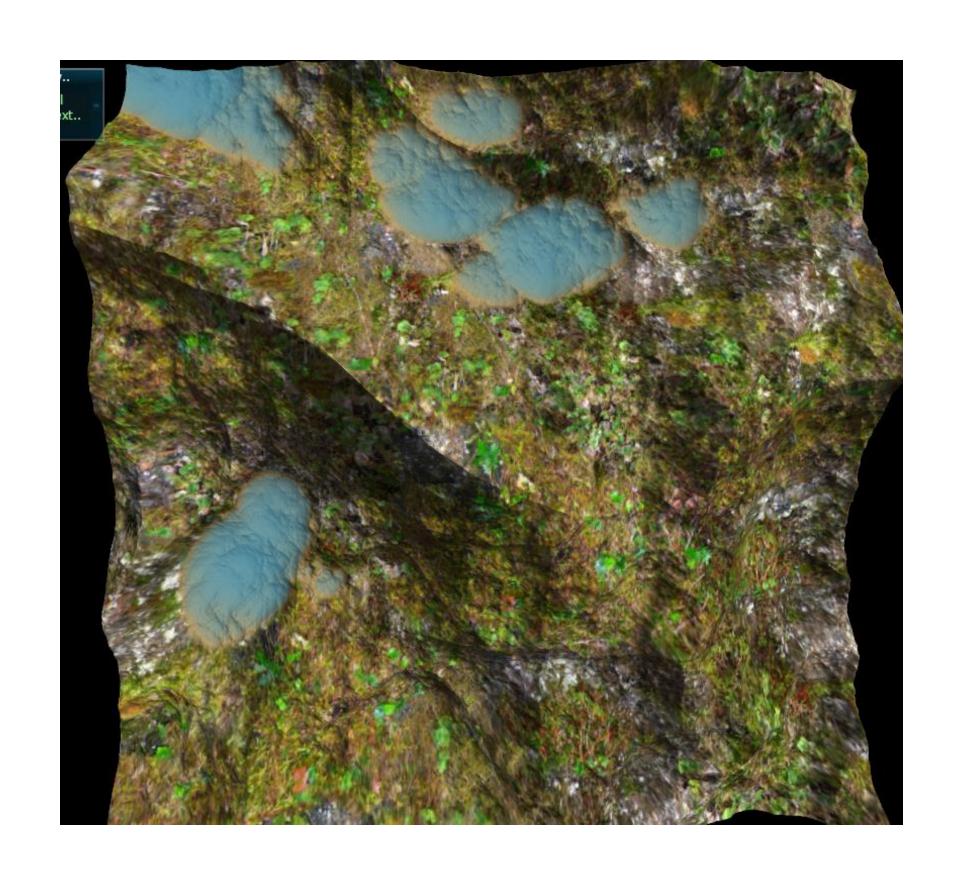


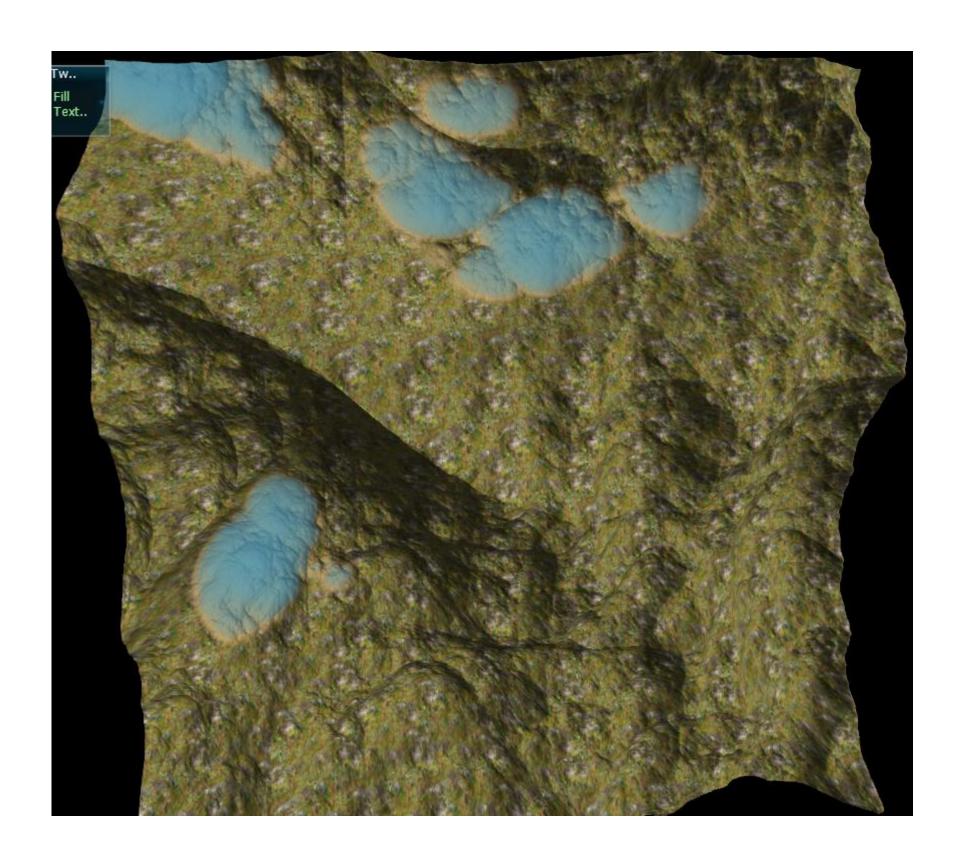
$$T(\mathbf{x}) = \alpha_1 T_{grass}(10\mathbf{x}) + \alpha_2 T_{rock}(10\mathbf{x}) + \alpha_4 T_{snow}(30\mathbf{x}) + \alpha_3 T_{sand}(60\mathbf{x})$$



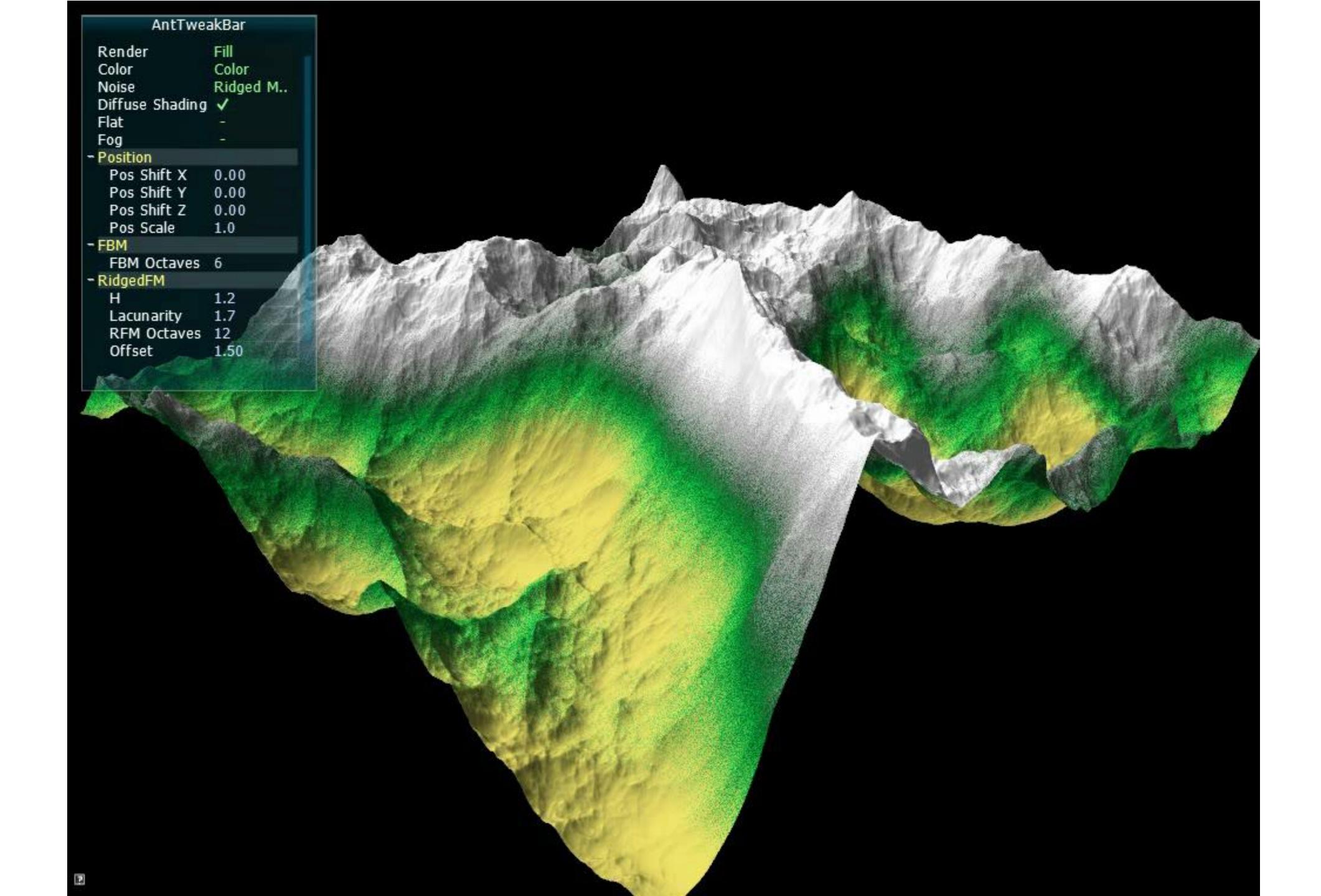
Texturing: weighted blend

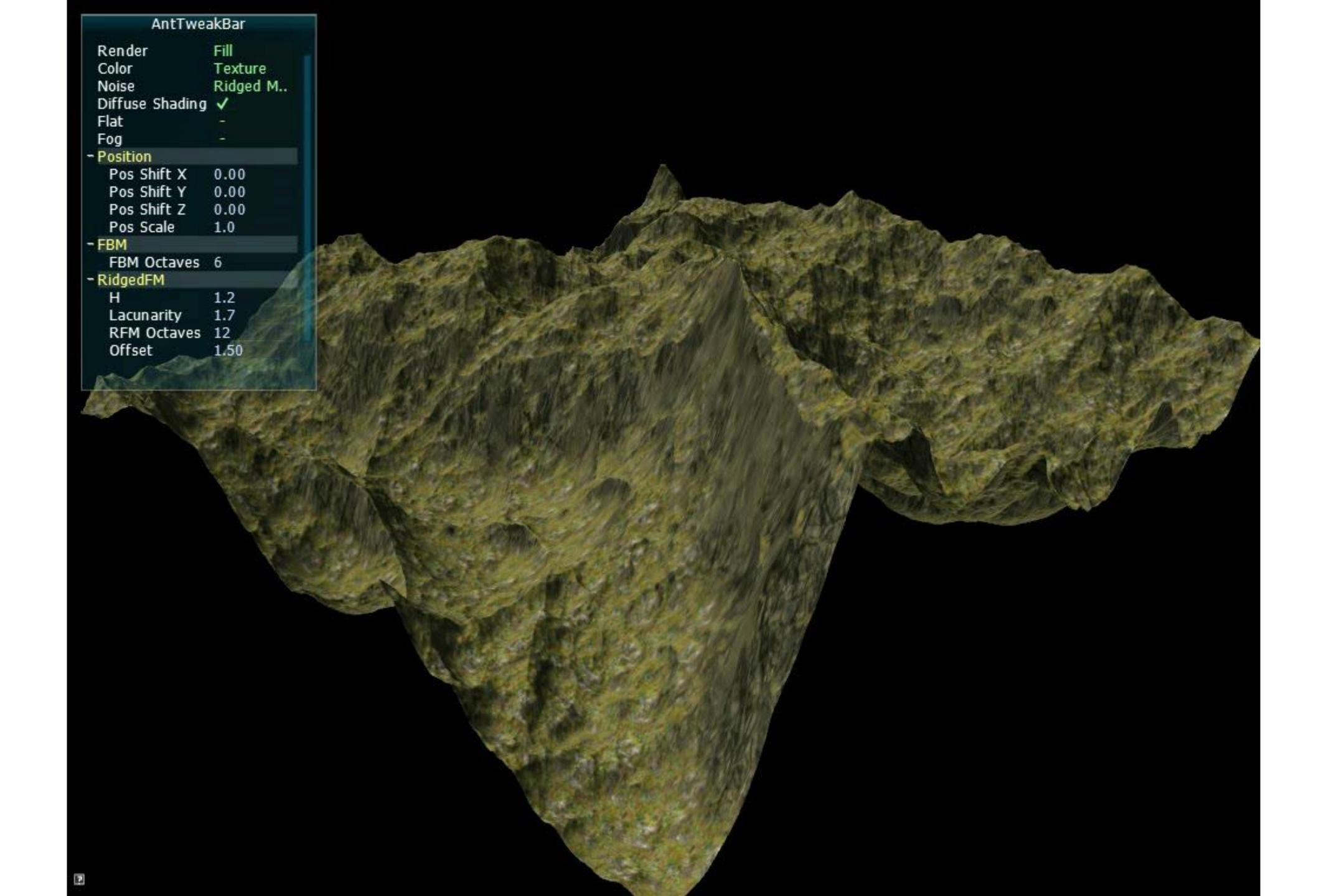


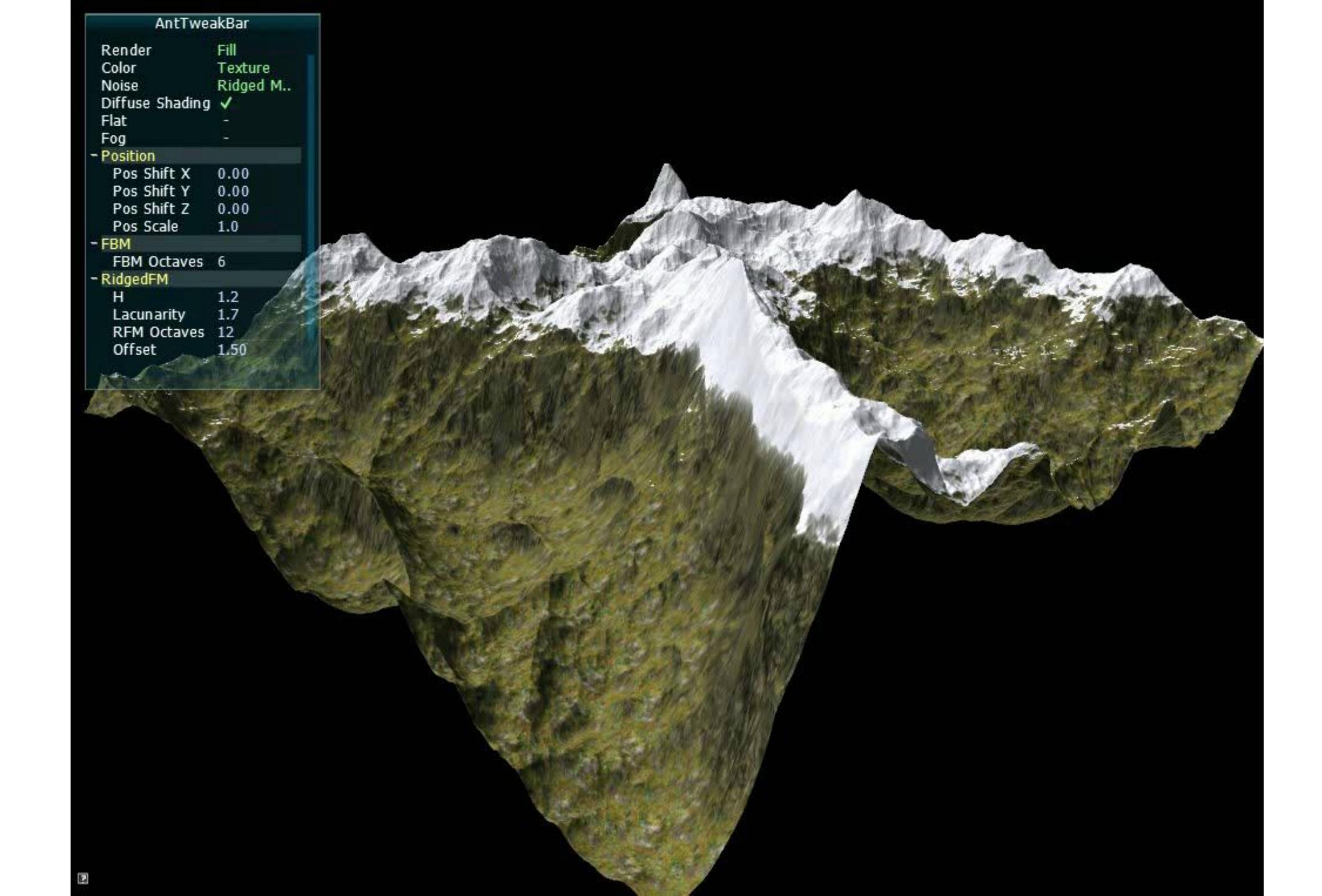


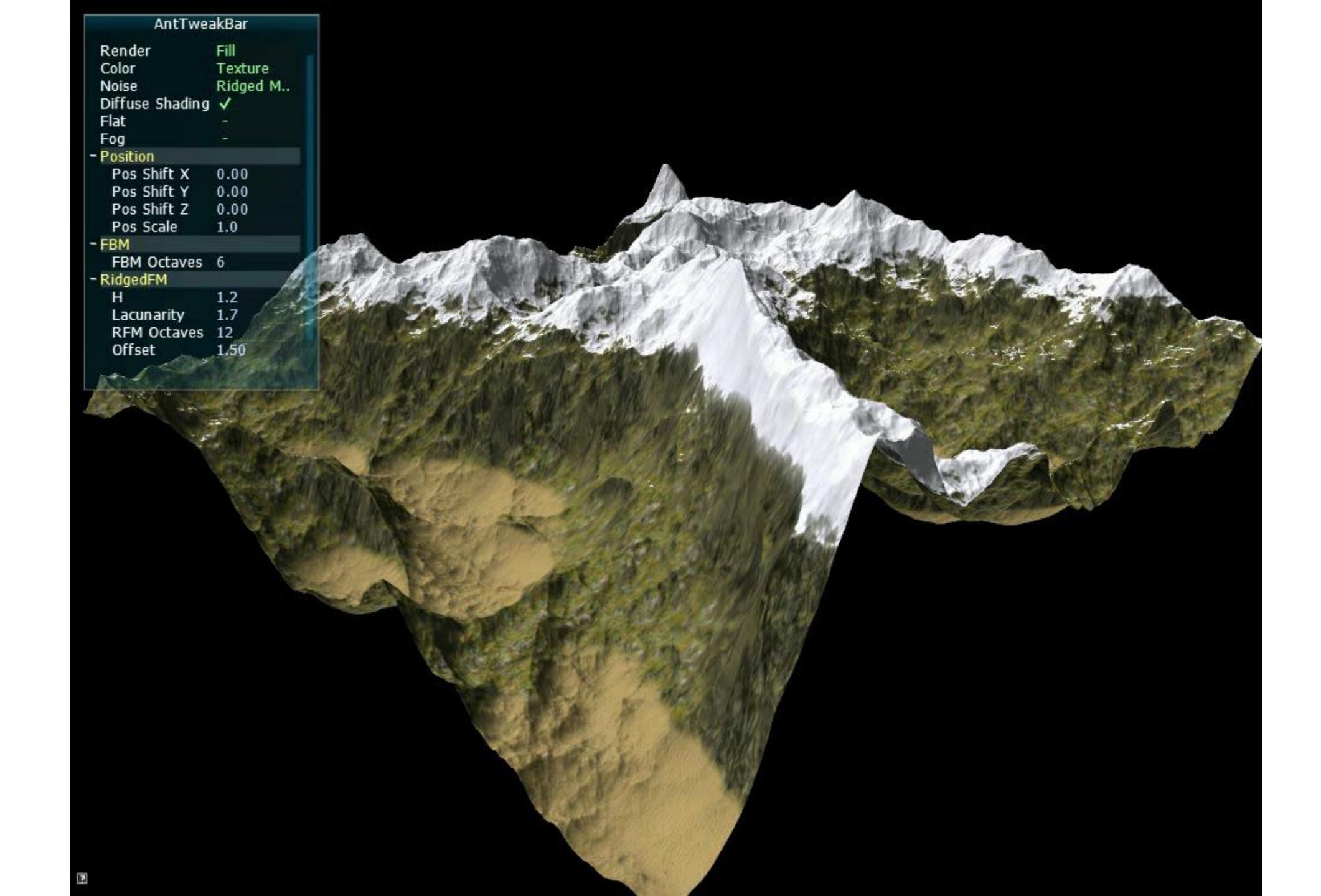


$$T(\mathbf{x}) = \alpha_1 T_{grass}(10\mathbf{x}) + \alpha_2 T_{rock}(10\mathbf{x}) + \alpha_4 T_{snow}(30\mathbf{x}) + \alpha_3 T_{sand}(60\mathbf{x})$$













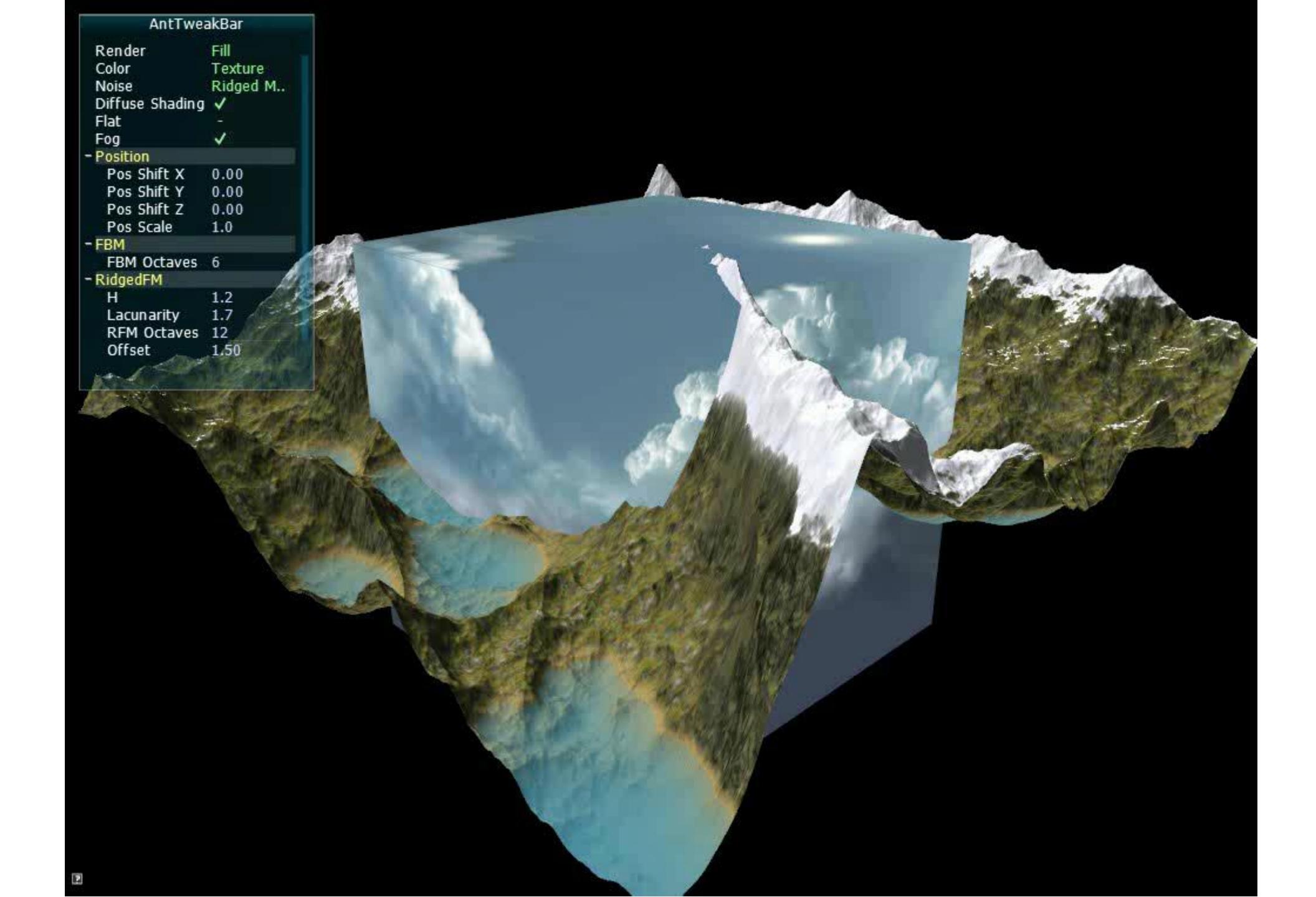
Sky modeling

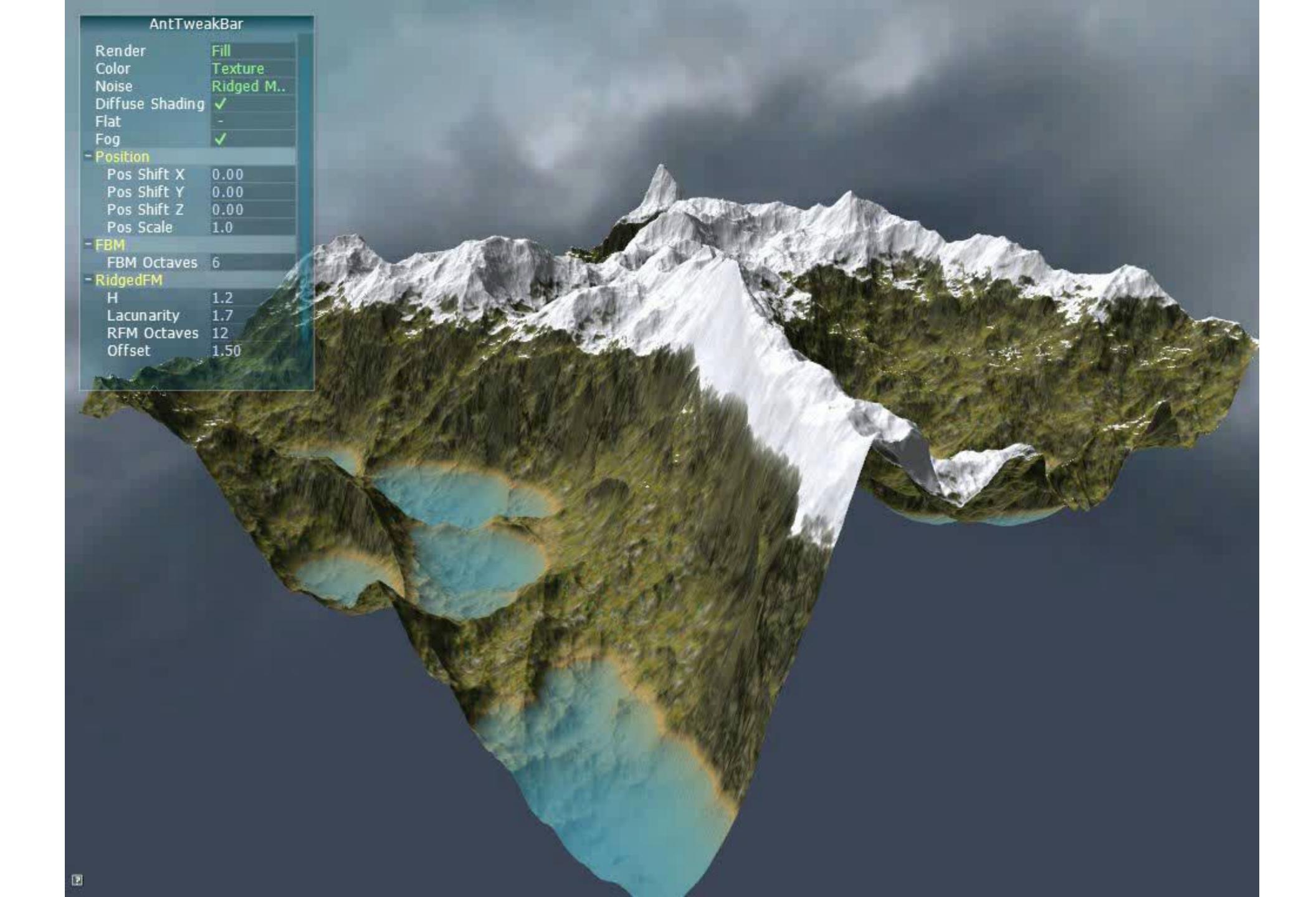


Sky Modeling











Advanced topics



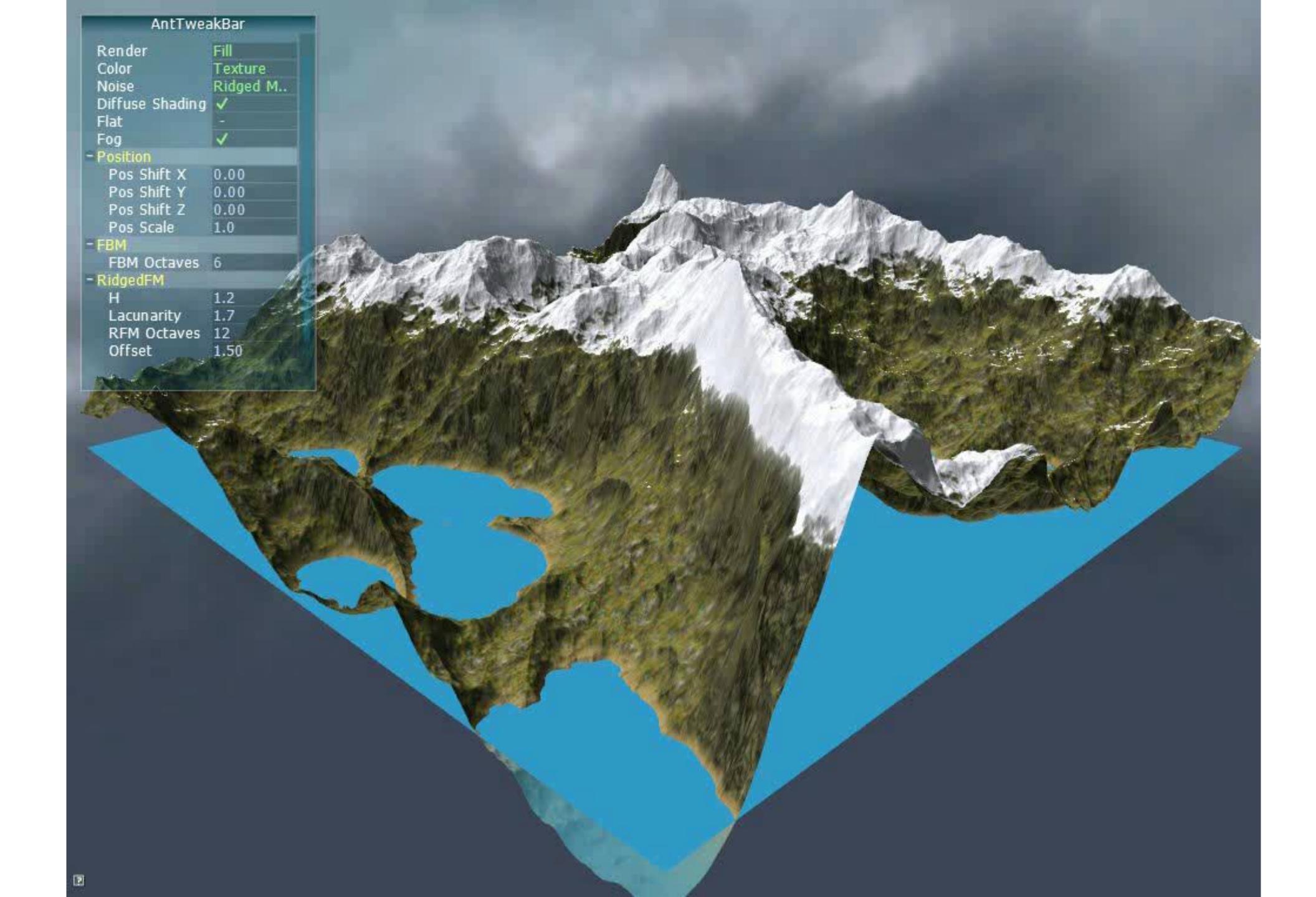
These are just **ideas** for advanced topics.

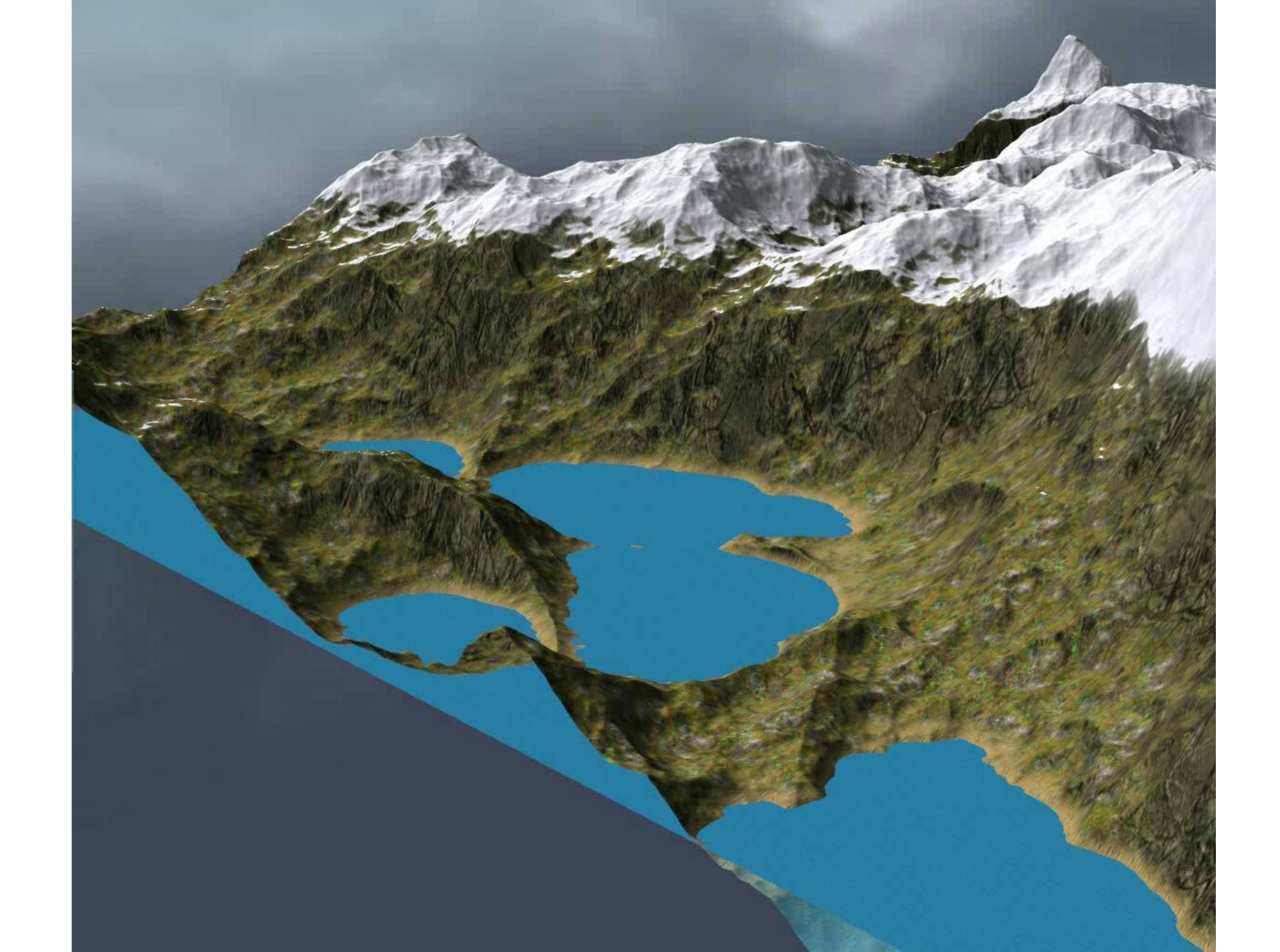
We invite you to browse online and try something that inspires you (perhaps just consult with us before you get started)





Water modeling







Reflection / Refraction



