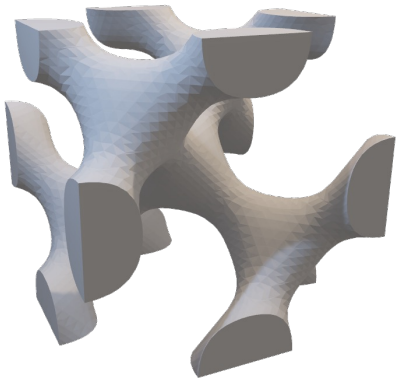
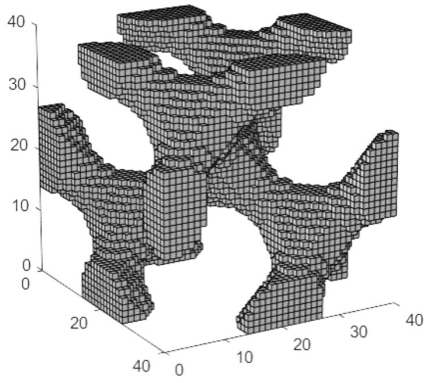
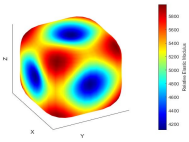
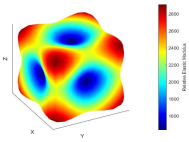
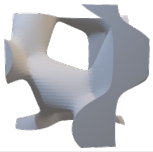
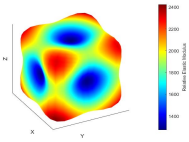
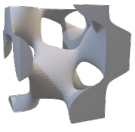
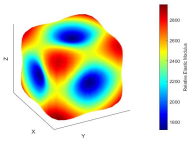
a





b

TPMS function	Geometry	Property
$f_G(x,y,z) = \cos(2\pi y)\sin(2\pi x) + \cos(2\pi x)\sin(2\pi z) + \cos(2\pi z)\sin(2\pi y) + t_1 = 0, t_1 = 0.$		
$f_D(x,y,z) = \cos(2\pi x)\cos(2\pi y)\cos(2\pi z) - sin(2\pi x)\sin(2\pi y)\sin(2\pi z) + t_2 = 0, t_2 = 0.$		
$f_{Hybrid}(x,y,z) = \alpha_1 f_G(x,y,z) + \alpha_2 f_D(x,y,z),$ where $t_1 \in [-0.5, 0.5], t_2 \in [-0.5, 0.5], \alpha_1 \in [0,1], \alpha_2 \in [0,1]$		
$t_1 = -0.2037, t_2 = 0.2447, \alpha_1 = 0.5470, \alpha_2 = 0.4530$		
$t_1 = 0.1555, t_2 = -0.3288, \alpha_1 = 0.3922, \alpha_2 = 0.6078$		
$t_1 = 0.3407, t_2 = -0.2457, \alpha_1 = 0.2575, \alpha_2 = 0.7425$