

The Helicoid-Catenoid Associated Family of Minimal Surfaces

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$$x = bb(\cos(aa) \sinh(v) \sin(u) + \sin(aa) \cosh(v) \cos(u))$$

$$y = bb(-\cos(aa) \sinh(v) \cos(u) + \sin(aa) \cosh(v) \sin(u))$$

$$z = bb(\cos(aa)u + \sin(aa)v)$$