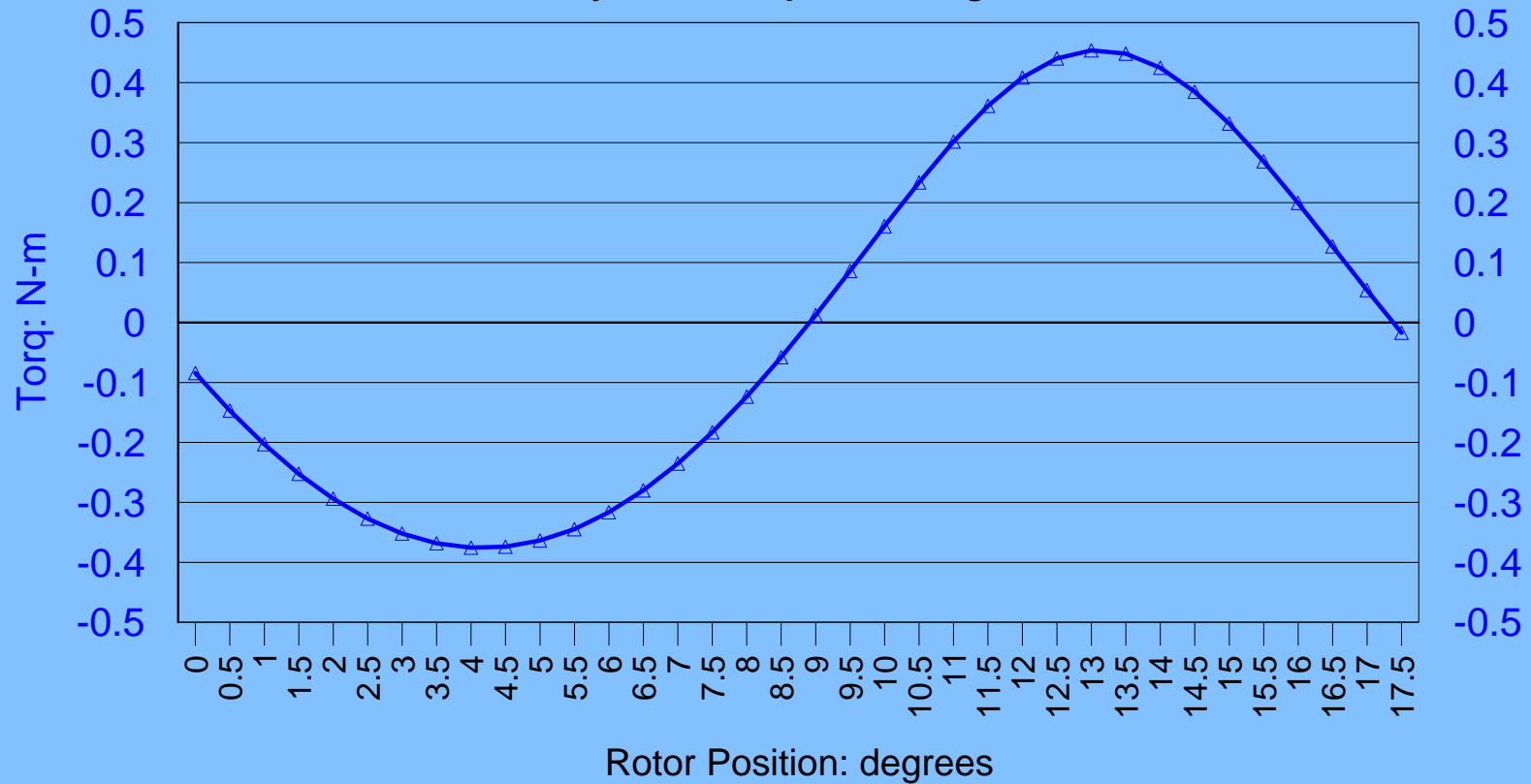


Hohl-01-3D

Triangular wedges, 1 rotor/stator, 20 magnet circle

1 cycle = 36 steps of 0.5 degrees

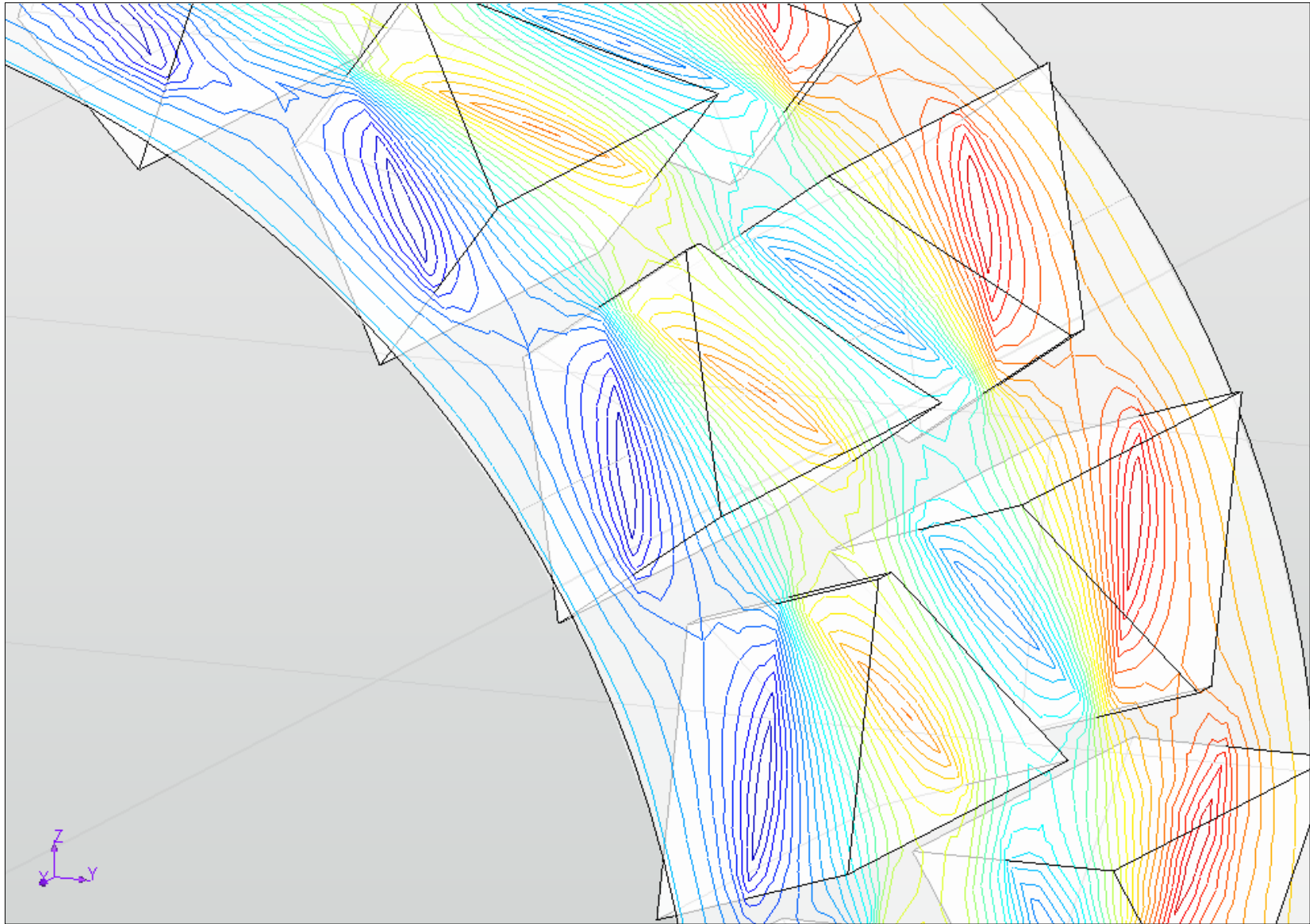


Rotor Torq



Average Rotor Torque -0.0000 N-m

Above chart shows the result of an accurate 3D simulation of Hohl's motor idea. This according to the specifications he has outlined regards geometry and material.

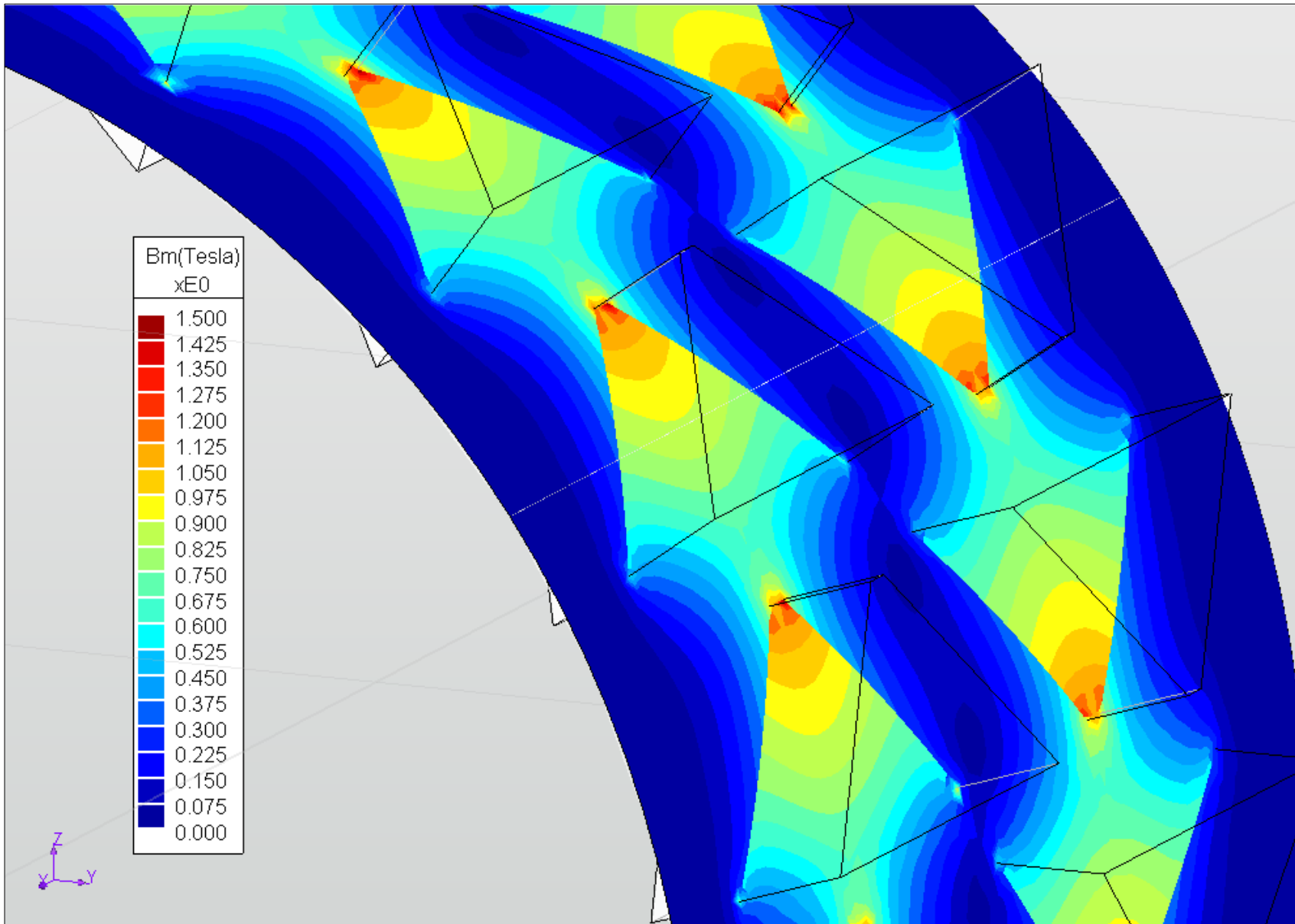


Above shows an image of Hohl's motor as modeled in the torque chart, showing the flux lines (A field contours) rendered on a surface through the center of all magnets.

Here the rotor is closer to the viewer, and it turns CCW about X.

There are 20 magnets in each circular array, spaced at 18 degrees apart, on a radius at their cg of 51 mm.

One cycle is therefore 18 degrees, and the simulation moves the rotor 1/2 degree per step for 36 steps.



Shows the model with a color map of the flux density on the surface through the magnet's centers.
This 3D simulation package has been tested for accuracy on the bench numerous times, in numerous ways.
There is high confidence it is accurately predicting reality.