

The 5 Gauss Surface is calculated using finite element analysis. The calculations are performed with Opera Version 14.0 Professional Edition x64. The 5 Gauss Surface is calculated at the maximum rated current for the magnet, 6 Amps. The model includes only the magnetically significant components of the magnet as seen here surrounded by the 5 Gauss Surface.

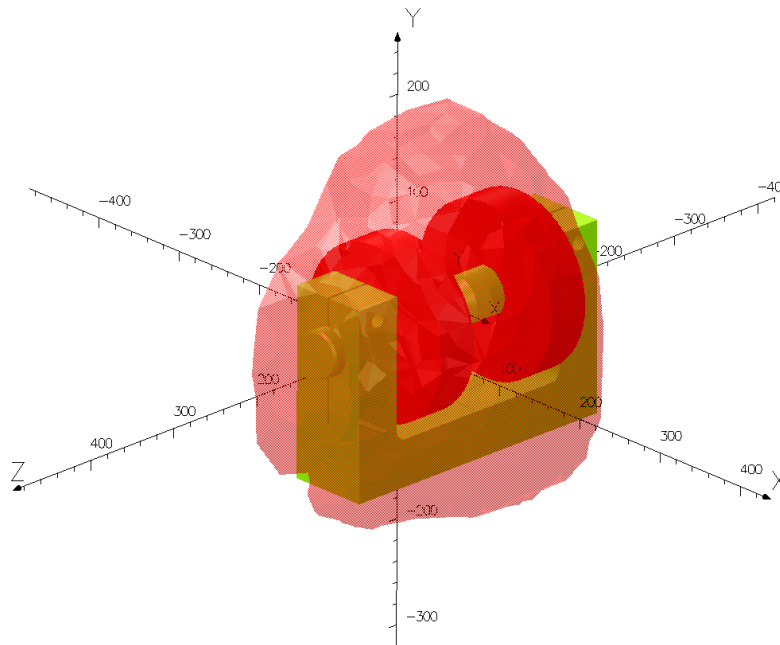


Figure 1: 3470 Electromagnet, 6A Excitation, 5 Gauss Surface

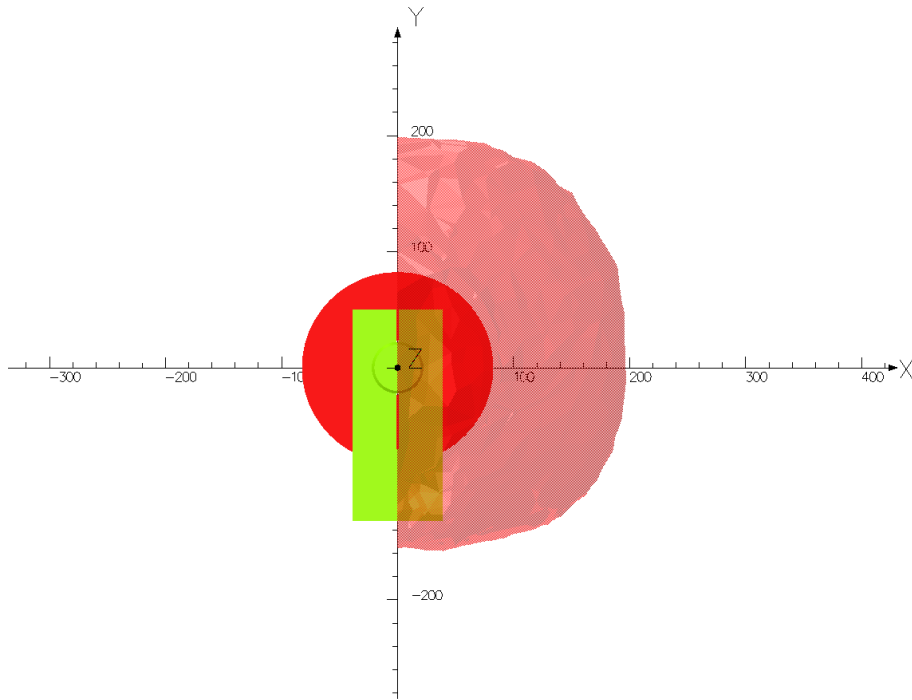


Figure 2: 3470 Electromagnet, 6A Excitation, 5 Gauss Surface, X distance (view from Z-axis)

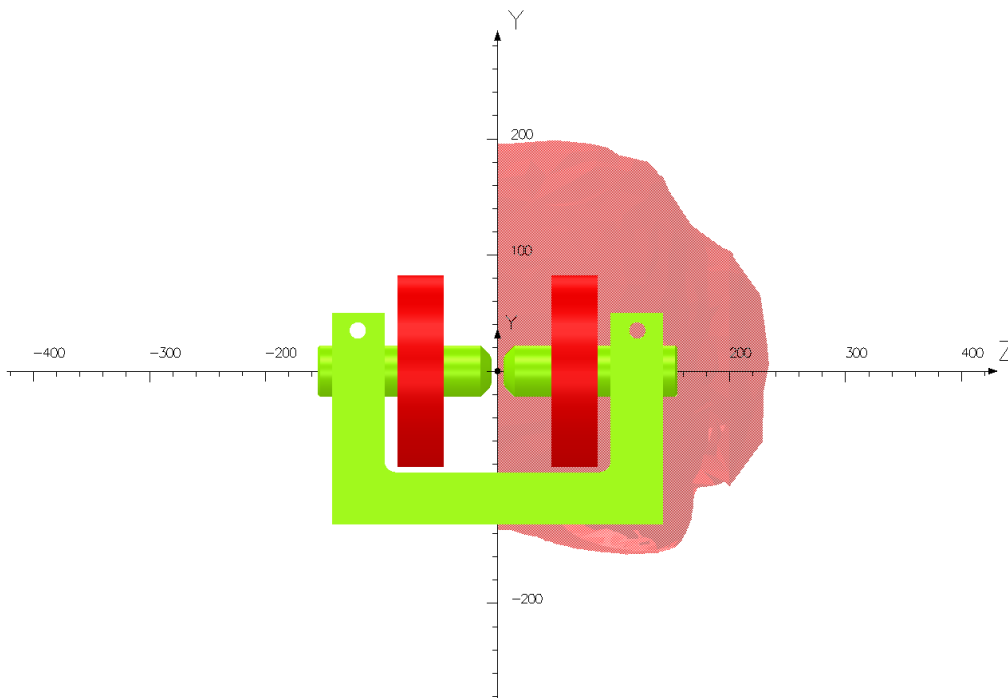


Figure 3: 3470 Electromagnet, 6A Excitation, 5 Gauss Surface, Y distance (view from X-axis)

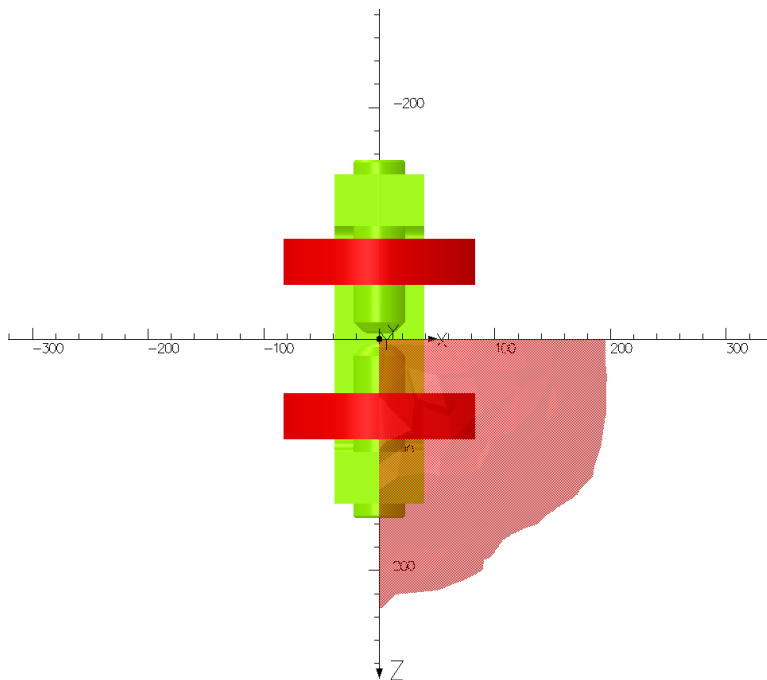


Figure 4: 3470 Electromagnet, 6A Excitation, 5 Gauss Surface, Z distance (view from Y-axis)