Figure 3: POISSON model of the coil and iron cross section for the present design \((QRI D86F)\) of the 130 mm aperture RHIC insertion quadrupoles. The model is made for the case when the two side by side Q1 quadrupoles are at the minimum distance and the two magnets are excited at the same current.
Figure 2: Computer model of the coil cross section for the present design (QRI D86F) of the 130 mm aperture RHIC insertion quadrupoles.
Figure 1: Present cross section \((QRI\ D86F)\) for the 130 mm aperture RHIC insertion quadrupoles.