



Fig. 10 – Calculated values of the electric potential and ^{57}Fe quadrupole splitting parameter for different δr around cationic sites, $\delta r = 0.001\text{Å}$; $\Delta\theta = 18^\circ$; $\Delta\phi = 36^\circ$. The sign of the quadrupole splitting parameter for the iron Mössbauer isotope has no significance.