Example I: Total energy, geometry optimization, and frequency calculation of Benzene within B3LYP using the DFT module

In this example we will calculate the total energy of the benzene using the B3LYP approximation.

Let us look at the input file





The output file is self-explanatory and follows that of the hf-session1.doc.

Example II: Total energy, geometry optimization, and frequency calculation of Benzene within B3LYP using the DFT module