Fig. 1. The task graph of SPA

Fig. 2. The task graph of the Gaussian application.

Fig. 3. Energy saving rates for SPA on the cluster with Intel Pentium 4 processors.

Fig. 4. Energy consumption of SPA on the cluster with Intel Pentium 4 processors.

Fig. 5. Energy saving rates for the Gaussian application on the cluster with Intel Pentium 4 Processors.

Fig. 6. Energy consumption of the Gaussian application on the cluster with Intel Pentium 4 Processors.