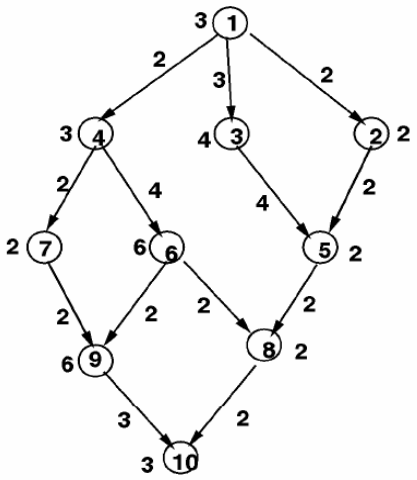

Fig. 1. The task graph of SPA

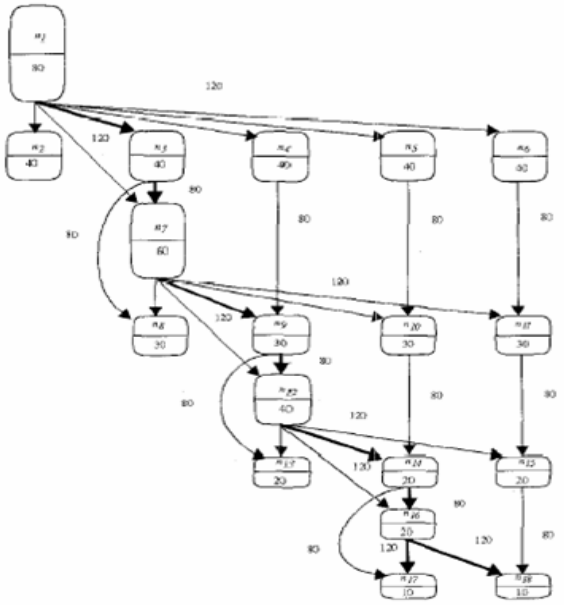

Fig. 2. The task graph of the Gaussian application.

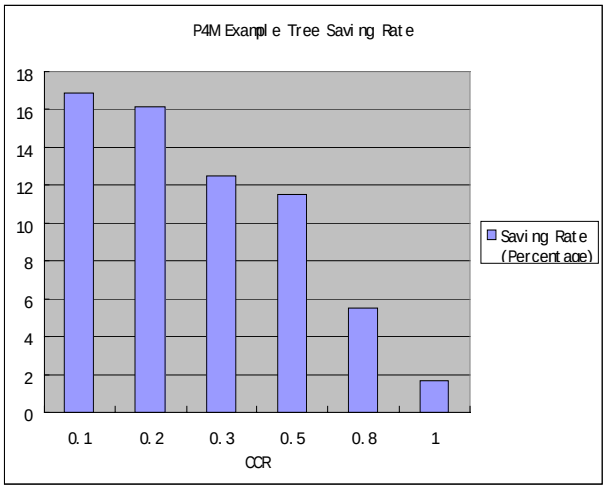

Fig. 3. Energy saving rates for SPA on the cluster with Intel Pentium 4 processors.

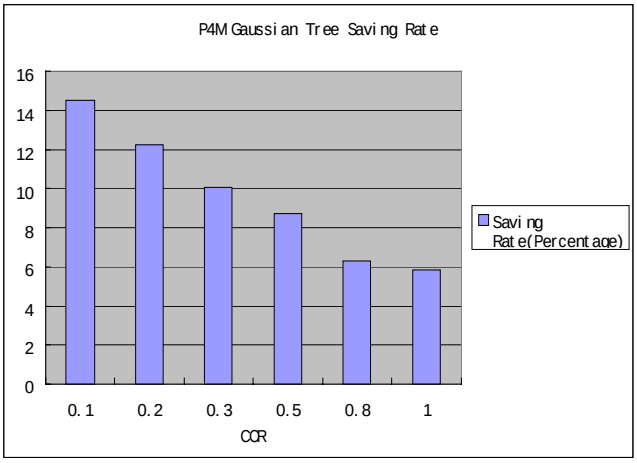

Fig. 5. Energy saving rates for the Gaussian application on the cluster with Intel Pentium 4 Processors.

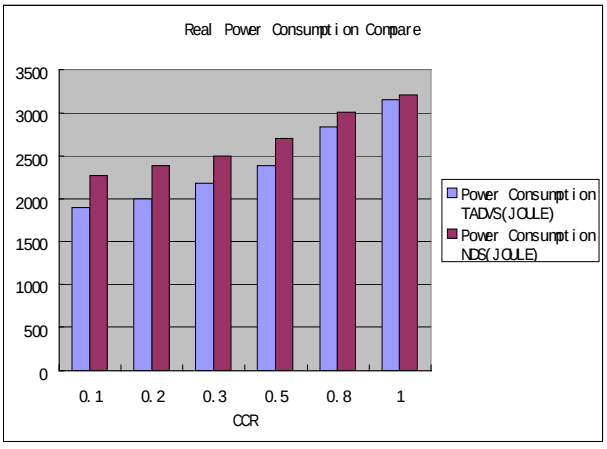

Fig. 4. Energy consumption of SPA on the cluster with Intel Pentium 4 processors.

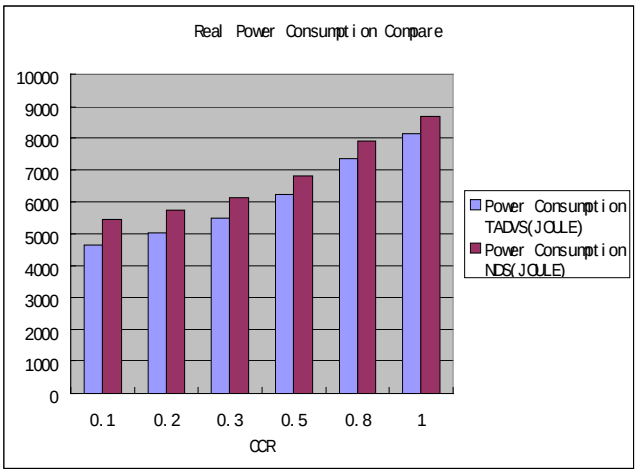

Fig. 6. Energy consumption of the Gaussian application on the cluster with Intel Pentium 4 Processors.