

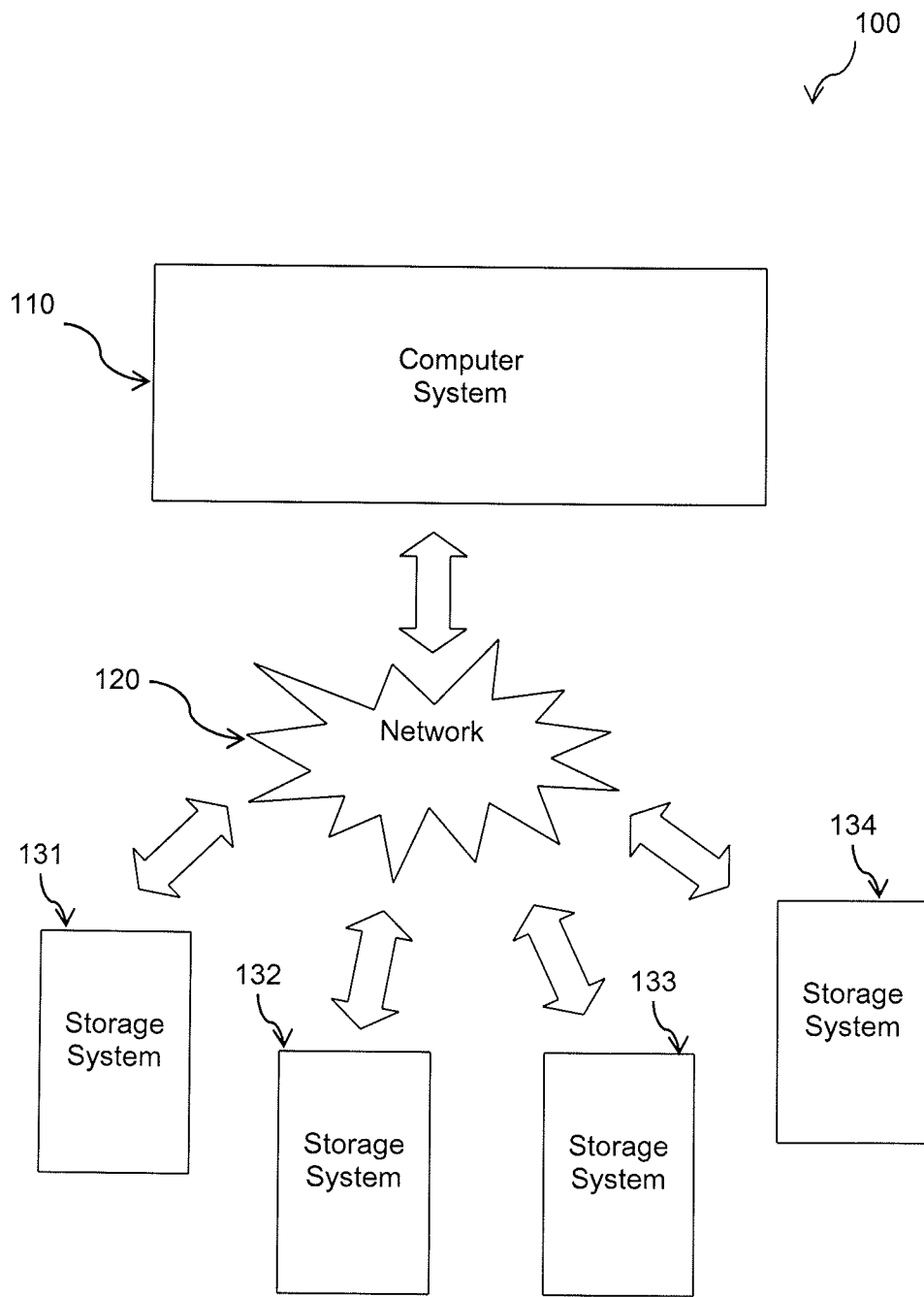


Figure 1

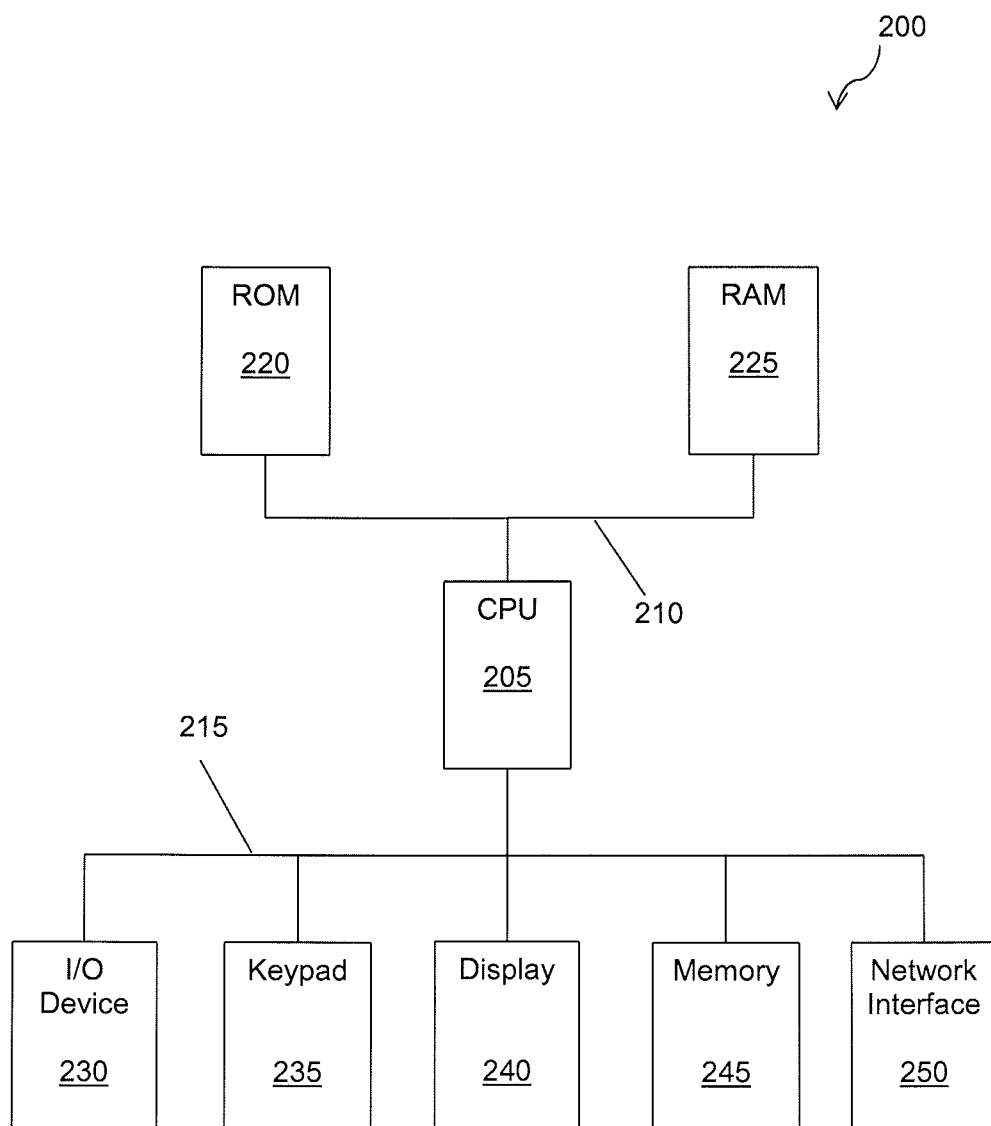


Figure 2

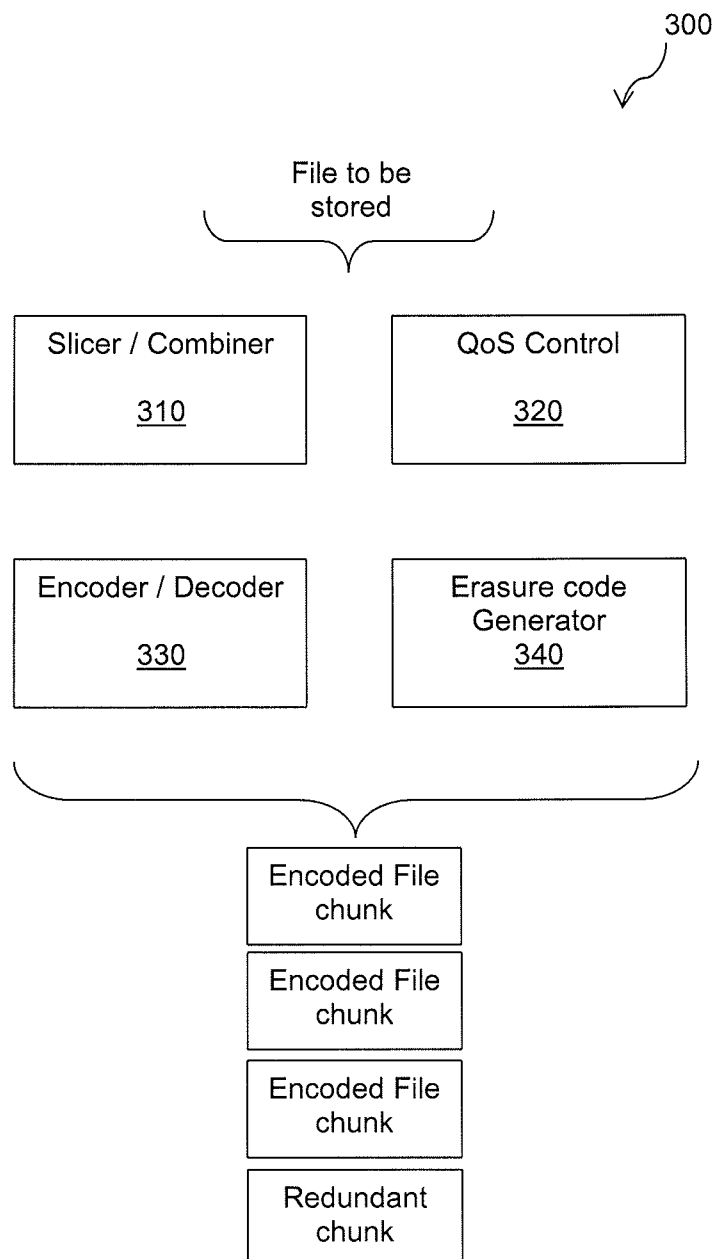


Figure 3

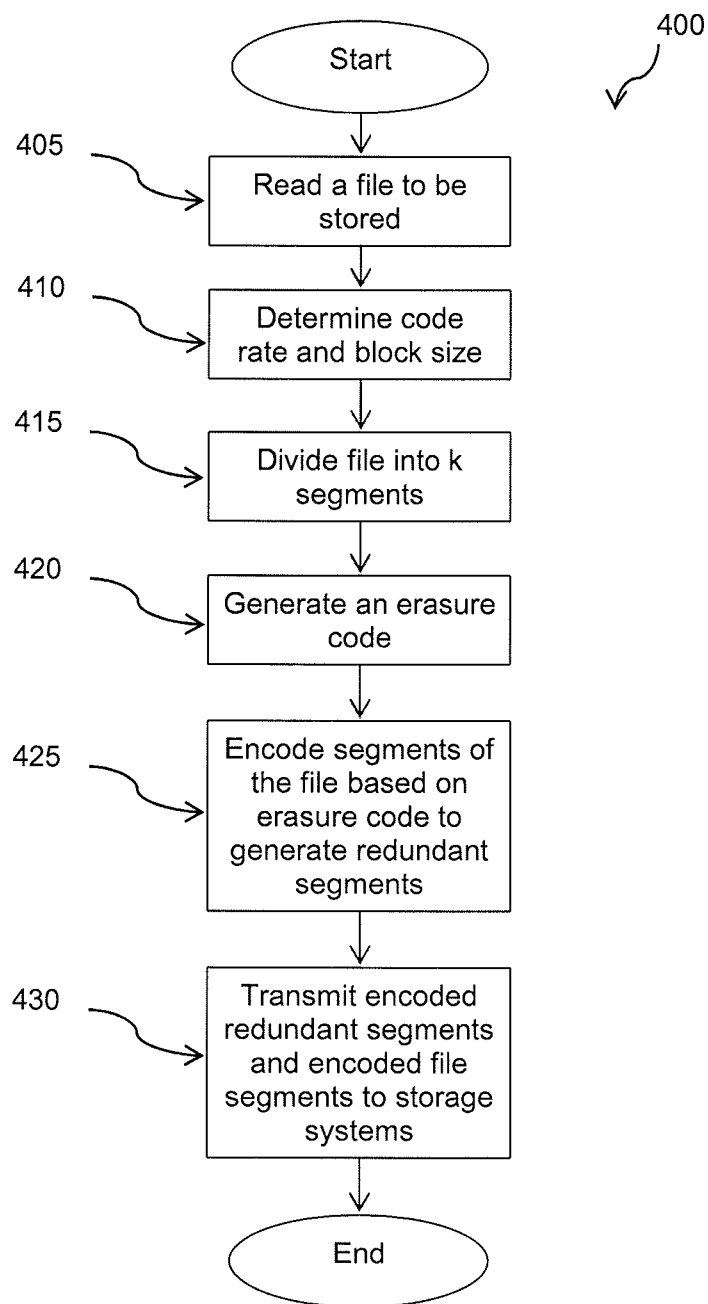


Figure 4

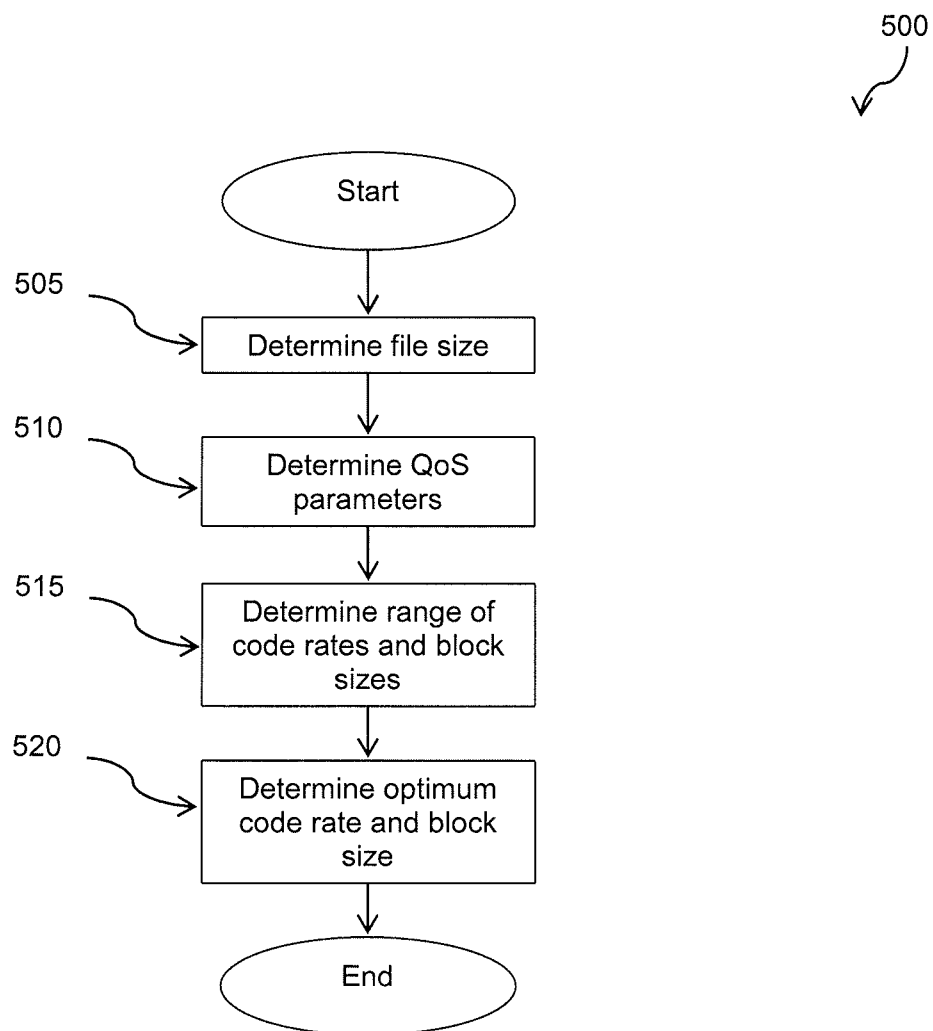


Figure 5

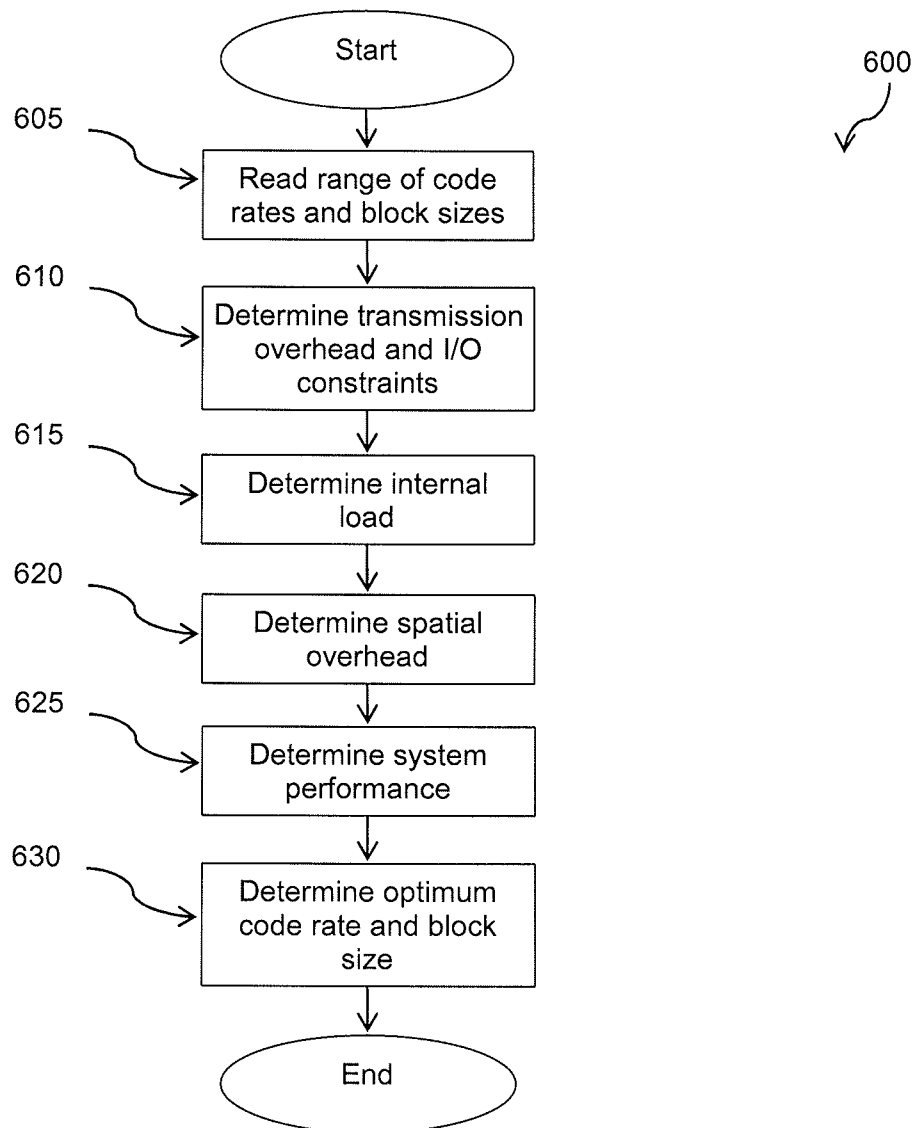
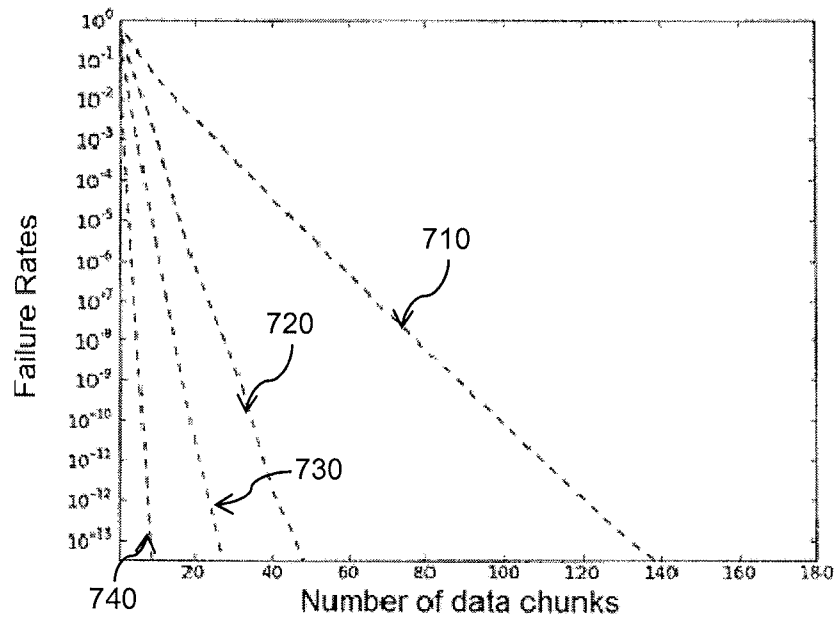


Figure 6



The relation between spatial redundancy, failure rates and number of chunks. Assume single node failure rate is 5%, one slice is stored in one node and $f=1.2$.

Figure 7

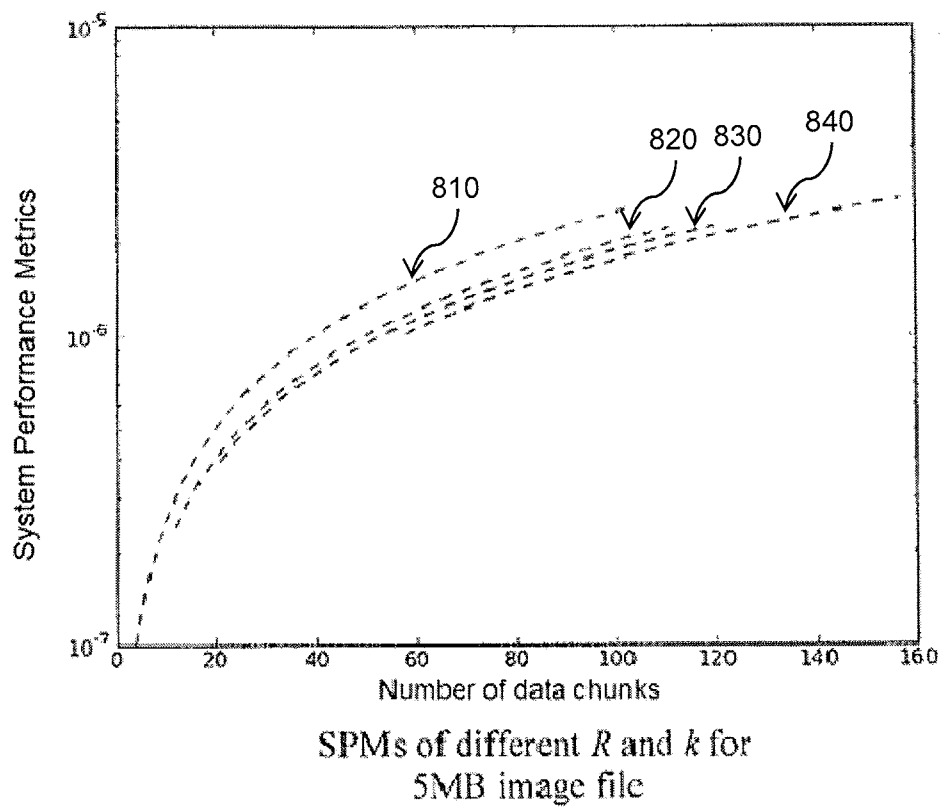
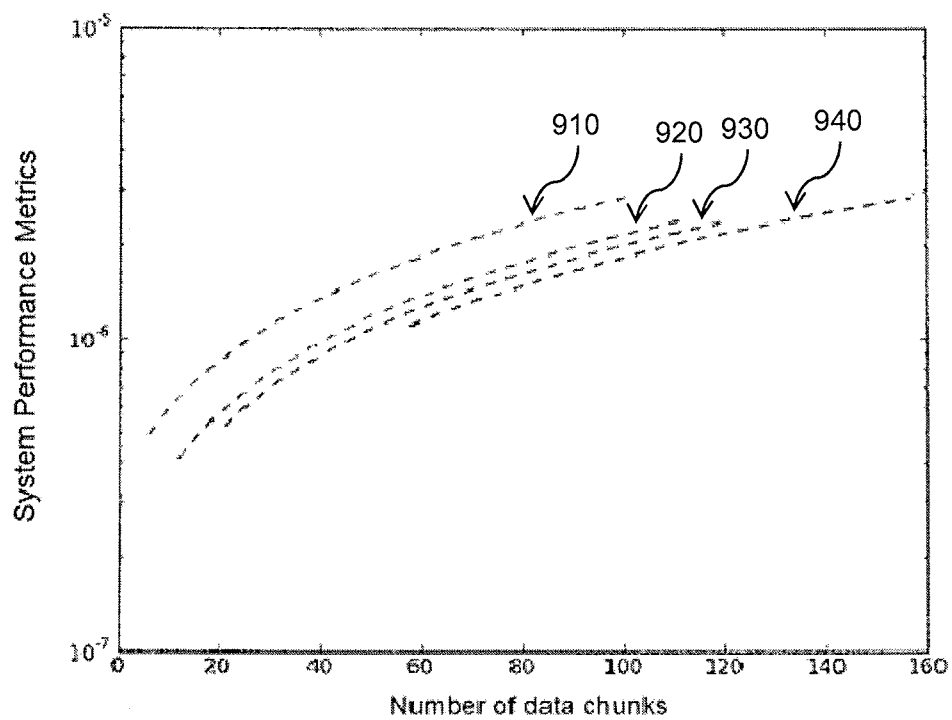
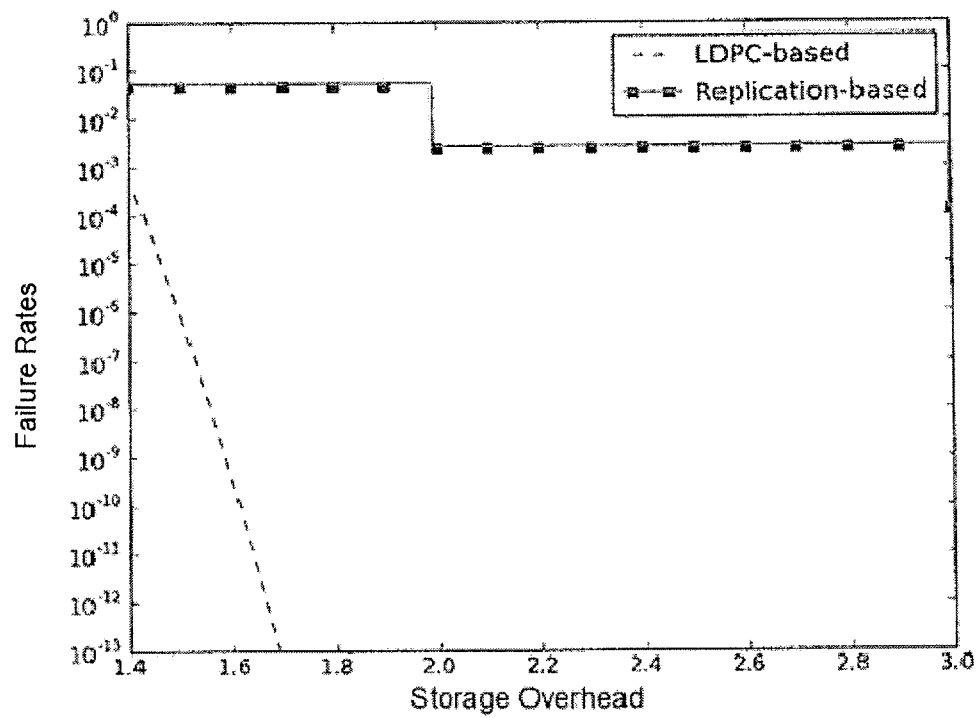


Figure 8



SPMs of different R and k for 10GB
HD Video file

Figure 9



Reliability performance comparison

Figure 10