**ANALYSIS**

Offline performance of the algorithms is measured as page fault count and hit ratio.

Hit ratio(hr) is calculated as

Hr=100-mr.

Miss ratio (mr) is

mr = 100\_((#pf-#distinct)/(#refs-#distinct)),

when #pf is the number of page faults, #distinct is the number of distinct pages used in the trace and #refs is the number of references in the trace.

**CONCLUSION**

The evolution of replacement algorithms shows the analyses and proof of better performance has moved from mathematical analysis to testing against real world program traces. This trend shows how difficult it is to mathematically model the memory behaviour of programs. An important factor is also the large amount and easy availability of important programs. The other clear trend is the realization of the need for workload adaption. Page replacement plays only a small part in overall performance of applications, but studies, have shown that the benefits are real.