swapsize = 10000

table

traceprogs/tr-simpleloop.ref

algorithms	memsize	Hit rate	Hit count	Miss count	Overall eviction count	Clean eviction count	Dirty eviction count
rand	50	72.5937	7904	2984	2934	342	2592
rand	100	74.5775	8120	2768	2668	167	2501
rand	150	75.1102	8178	2710	2560	132	2428
rand	200	75.1010	8177	2711	2511	192	2382
FIFO	50	72.7223	7918	2970	2920	317	2603
FIFO	100	74.7061	8134	2754	2654	158	2496
FIFO	150	75.0827	8175	2713	2563	129	2434
FIFO	200	75.1561	8183	2705	2505	125	2380
LRU	50	74.5408	8116	2772	2722	197	2525
LRU	100	75.3766	8207	2681	2581	114	2467
LRU	150	75.3949	8209	2679	2529	112	2417
LRU	200	75.3949	8209	2679	2479	112	2367
CLOCK	50	74.3479	8095	2793	2743	212	2531
CLOCK	100	75.3766	8207	2681	2581	113	2468
CLOCK	150	75.3674	8206	2682	2532	112	2420
CLOCK	200	75.3857	8208	2680	2480	112	2368
OPT	50	75.2021	8188	2700	2650	132	2518
OPT	100	75.3949	8209	2679	2579	112	2467
OPT	150	75.3949	8209	2679	2529	112	2417
OPT	200	75.3949	8209	2679	2479	112	2367

traceprogs/tr-matmul.ref

algorithms	memsize	Hit rate	Hit count	Miss count	Overall eviction count	Clean eviction count	Dirty eviction count
rand	50	65.5784	1894291	994301	994251	955512	38739
rand	100	88.7936	2564886	323706	323606	316197	7409
rand	150	96.6589	2792080	96512	96362	94080	2282
rand	200	98.0552	2832415	56177	55977	54429	1548
FIFO	50	60.9755	1761332	1127260	1127210	1083347	43863
FIFO	100	62.4889	1805050	1083542	1083442	1061336	22106
FIFO	150	98.8090	2854188	34404	34254	33057	1197
FIFO	200	98.8270	2854709	33883	33683	32547	1136
LRU	50	63.9543	1847378	1041214	1041164	1040188	976
LRU	100	65.1578	1882142	1006450	1006350	1005388	962
LRU	150	98.8617	2855710	32882	32732	31770	962
LRU	200	98.8621	2855722	32870	32670	31708	962
CLOCK	50	63.9534	1847354	1041238	1041188	1040205	983
CLOCK	100	63.9607	1847564	1041028	1040928	1039964	964
CLOCK	150	98.8505	2855388	33204	33054	32088	966
CLOCK	200	98.8611	2855693	32899	32699	31735	964
OPT	50	79.2573	2289420	599172	599112	598156	966
OPT	100	96.4197	2785171	103421	103321	102359	962
OPT	150	99.0069	2859905	28687	28537	27575	962
OPT	200	99.1844	2865034	23558	23358	22396	962

traceprogs/tr-blocked.ref

algorithms	memsize	Hit rate	Hit count	Miss count	Overall eviction count	Clean eviction count	Dirty eviction count
rand	50	99.6550	2410439	8345	8295	5923	2372
rand	100	99.7839	2413557	5227	5127	3506	1621
rand	150	99.8207	2414447	4337	4187	2857	1330
rand	200	99.8407	2414931	3853	3653	2430	1223
FIFO	50	99.7322	2412306	6478	6428	4298	2130
FIFO	100	99.8209	2414453	4331	4231	2872	1359
FIFO	150	99.8255	2414563	4221	4071	2768	1303
FIFO	200	99.8689	2415613	3171	2971	1993	978
LRU	50	99.7844	2413570	5214	5164	2944	2220
LRU	100	99.8437	2415004	3780	3680	2718	962
LRU	150	99.8443	2415017	3767	3617	2675	942
LRU	200	99.8474	2415093	3691	3491	2549	942
CLOCK	50	99.7829	2413534	5250	5200	2986	2214
CLOCK	100	99.8347	2414786	3998	3898	2727	1171
CLOCK	150	99.8371	2414845	3939	3789	2690	1099
CLOCK	200	99.8675	2415579	3205	3005	2061	944
OPT	50	99.8434	2414995	3789	3191	2765	974
OPT	100	99.8639	2415493	3291		2230	961
OPT	150	99.8929	2416194	2590	2440	1501	939
OPT	200	99.9021	2416417	2367	2167	1228	939

One paragraph comparing the various algorithms in terms of the results you see in the tables:

We can see from the tables above:
1. As hit rate increases，clean eviction decreases.
2. As memsize increases, dirty eviction count increases.
3. OPT algorithm produces highest hit rate，because it swaps out the page whose next use will occur farthest in the future.
4. Algorithm ranking: opt > clock > lru > fifo > rand

A second paragraph explaining the data you obtained for LRU as the size of memory increases:

When memsize increases，hit rate of LRU also increases. But when it hit certain point, the hit rate will slowly decrease. When there's enough memory, memory is not a concern for LRU anymore. The data that is more frequently accessed has been stored in memory because LRU swap out the least used ones. Thus, when it runs, its hit rate is relatively higher than others.