

|  |         | Deterministic | Nondeterministic |          |
|--|---------|---------------|------------------|----------|
|  |         |               | $n = 5$          | $n = 10$ |
| Average (55 benchmark configurations) @ 28 SM's  |         |               |                  |          |
| DRAM reads                                       | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| DRAM writes                                      | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| L1D hit rate                                     | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| L2D hit rate                                     | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| Cycles   | $t = 4$ | 0%            | 0.4%             | 0.4%     |
|  | $t = 8$ | 0%            | 0.4%             | 0.4%     |
| Exec time  | $t = 4$ | 1.7x          | 2x               | 2x       |
|  | $t = 8$ | 1.7x          | 2.1x             | 2.2x     |
| Average (55 benchmark configurations) @ 112 SM's |         |               |                  |          |
| DRAM reads                                       | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| DRAM writes                                      | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0.1%             | 0%       |
| L1D hit rate                                     | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| L2D hit rate                                     | $t = 4$ | 0%            | 0%               | 0%       |
|  | $t = 8$ | 0%            | 0%               | 0%       |
| Cycles   | $t = 4$ | 0%            | 3.4%             | 3.4%     |
|  | $t = 8$ | 0%            | 3.2%             | 3.2%     |
| Exec time  | $t = 4$ | 1.6x          | 2.2x             | 2.3x     |
|  | $t = 8$ | 1.9x          | 2.5x             | 2.6x     |