

locality metrics	formal property	useful characteristics
3rd order: footprint, volume fill time	concave/ convex	linear-time, amenable to sampling, composable (dynamic locality)
2nd order: miss ratio, inter-miss time	monotone	machine specific, e.g. cache size/associativity (cache locality)
1st order: reuse distance	non- negative	decomposable by code units and data structures (program locality)