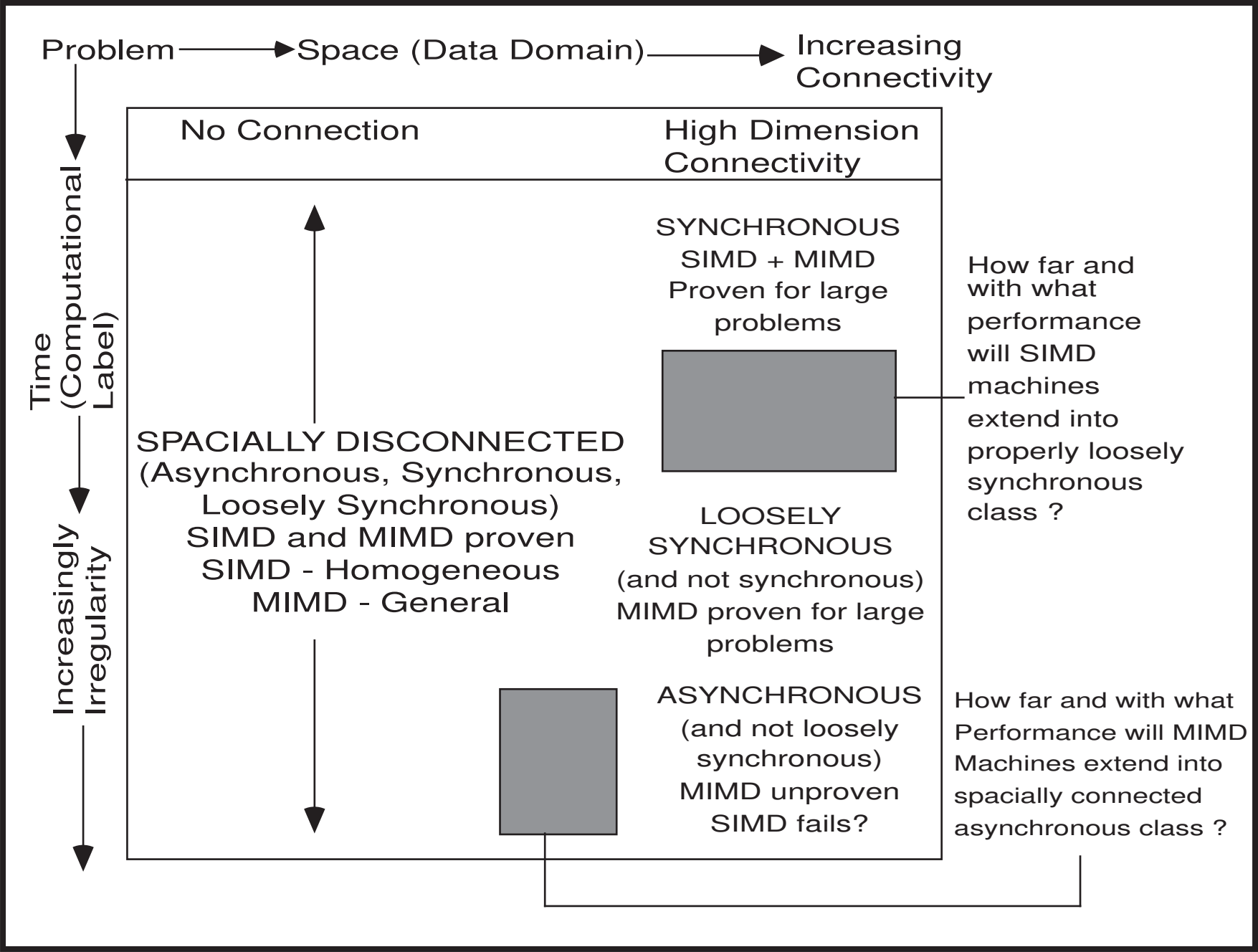
Problem
Space (Data Domain)
Increasing Connectivity
Time (Computational Label)
Increasingly Irregularity
No Connection
High Dimension Connectivity
SYNCHRONOUS
SIMD + MIMD
Proven for large problems
How far and with what performance will SIMD machines extend into properly loosely synchronous class ?
SPACIALLY DISCONNECTED
(Asynchronous, Synchronous, Loosely Synchronous)
SIMD and MIMD proven
SIMD - Homogeneous
MIMD - General
LOOSELY SYNCHRONOUS
(and not synchronous)
MIMD proven for large problems
ASYNCHRONOUS
(and not loosely synchronous)
MIMD unproven
SIMD fails?
How far and with what Performance will MIMD Machines extend into spacially connected asynchronous class ?