DISTRIBUTION OF THE DYNAMIC GRID HIERARCHY

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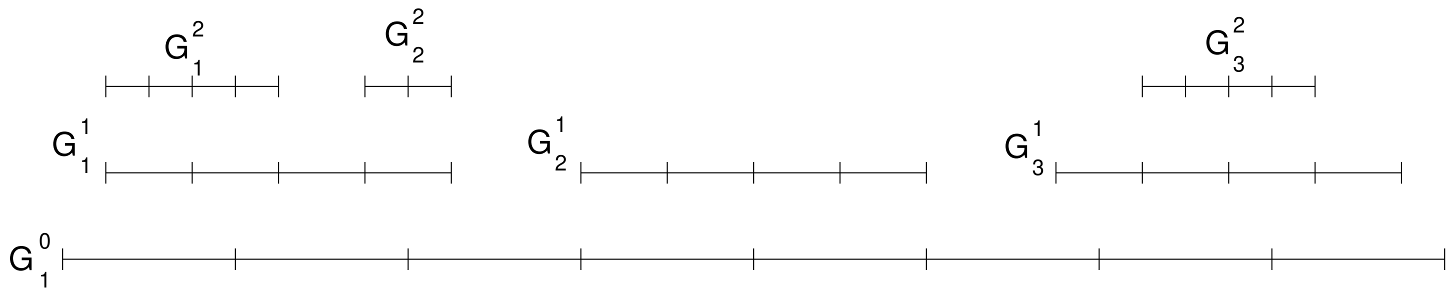
1-D Grid Hierarchy



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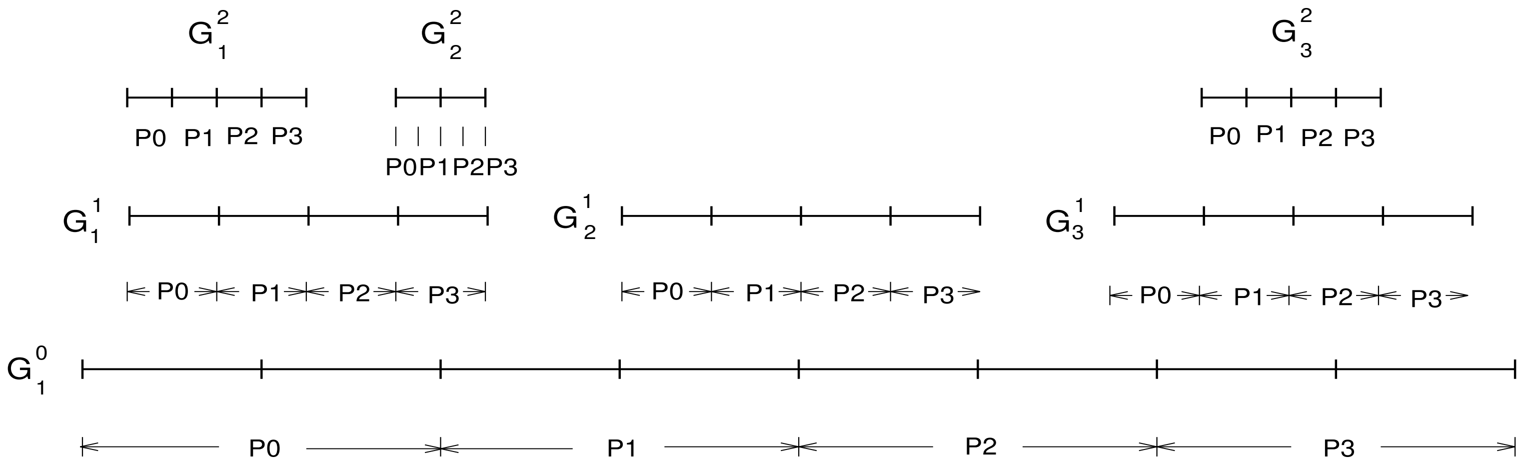
Independent Grid Distribution



- Simple grid creation/deletion & distribution
- No work re-distribution on grid creation/deletion
- Parallelism across grid components. . .
- Inter-grid communication bottleneck

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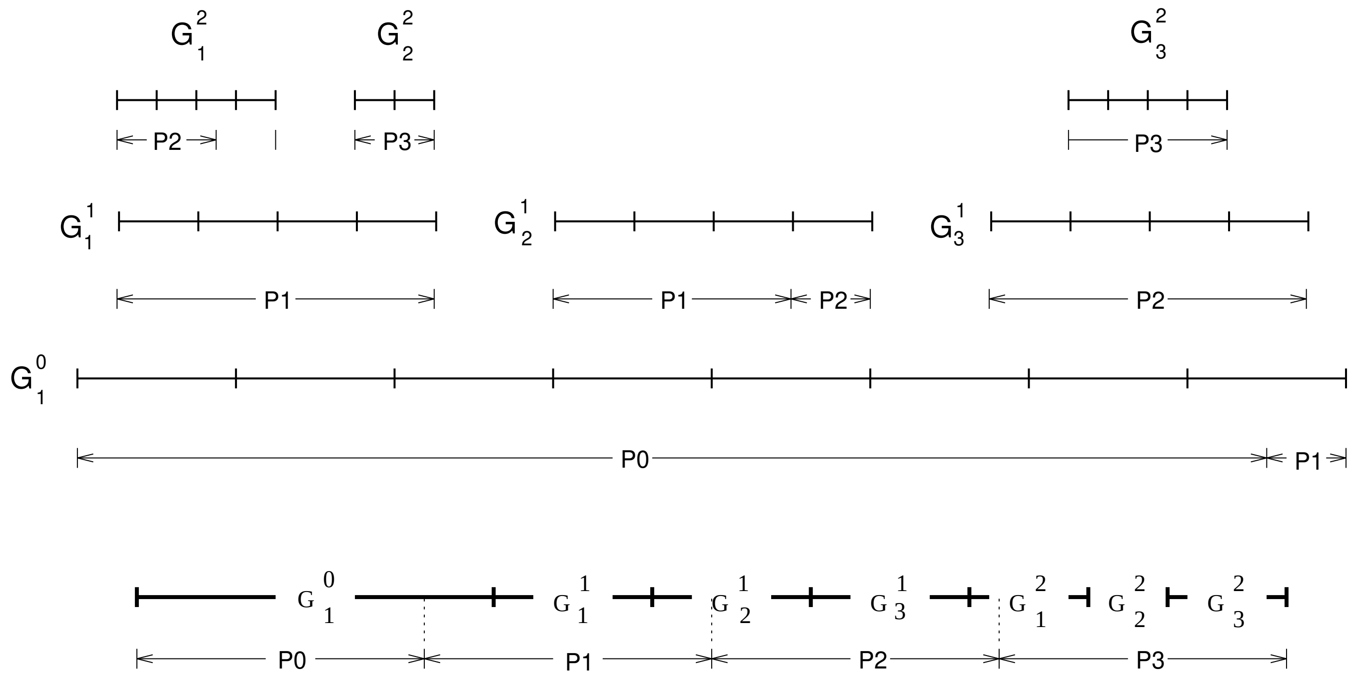
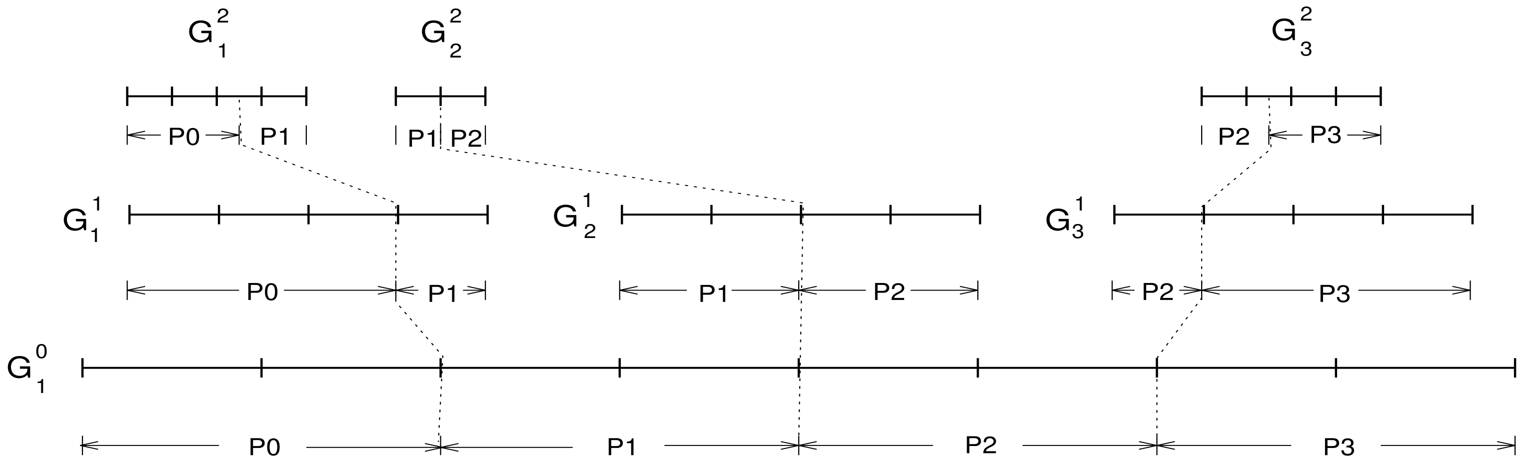
Combined Distribution



- Parallelism across grid components...
- Inter-grid communication bottleneck

Independent Level Distribution



- Inter-grid communication bottleneck

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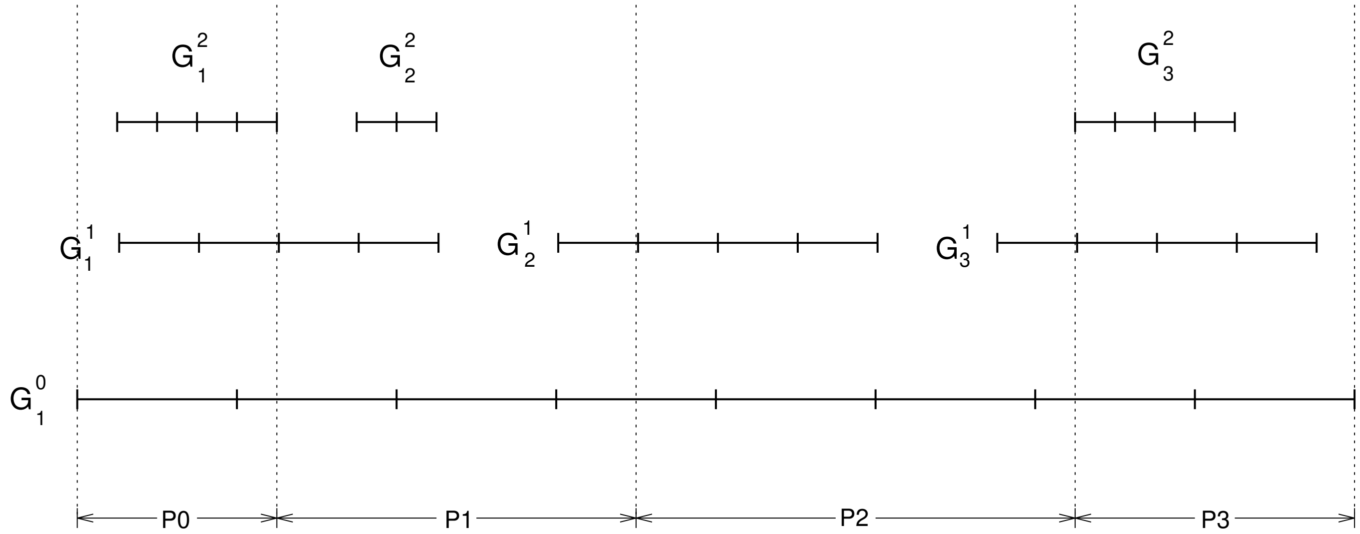
Composite Distribution



- Inter-grid communication is local
- Efficient load re-distribution/clustering

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