

Use case	Programs
<i>Default Partitioning Problem</i>	kaffpa, kaffpaE
Checking Graph for Correctness	graph_checker
Evaluate Partitioning Metrics	evaluator
Fast Sequential Partitioning, Mesh	kaffpa with preconfiguration set to fast
Good Sequential Partitioning, Mesh	kaffpa with preconfiguration set to eco
Very Good Sequential Partitioning, Mesh	kaffpa with preconfiguration set to strong
Fast Sequential Partitioning, Social	kaffpa with preconfiguration set to fastsocial
Good Sequential Partitioning, Social	kaffpa with preconfiguration set to ecosocial
Very Good Sequential Partitioning, Social	kaffpa with preconfiguration set to strongsocial
Mapping to Processor Networks	use the enable_mapping option
Highest Quality, Mesh	kaffpaE, use mpirun, large time limit
Highest Quality, Social	kaffpaE, use mpirun, large time limit, preconfig strongsocial
<i>Parallel Partitioning</i>	parhip, graph2binary, graph2binary_external, toolbox
Distributed Memory Parallel, Mesh	parhip, preconfigs ecomesh, fastmesh, ultrafastmesh
Distributed Memory Parallel, Social	parhip, preconfigs ecosocial, fastsocial, ultrafastsocial
Convert Metis to Binary	graph2binary, graph2binary_external
Evaluate and Convert Partitions	toolbox
<i>Node Separators</i>	partition_to_vertex_separator, node_separator
Two Node Separators	node_separator
k -way Separators	use kaffpa to create k -way partition, and then partition_to_vertex_separator to create separator