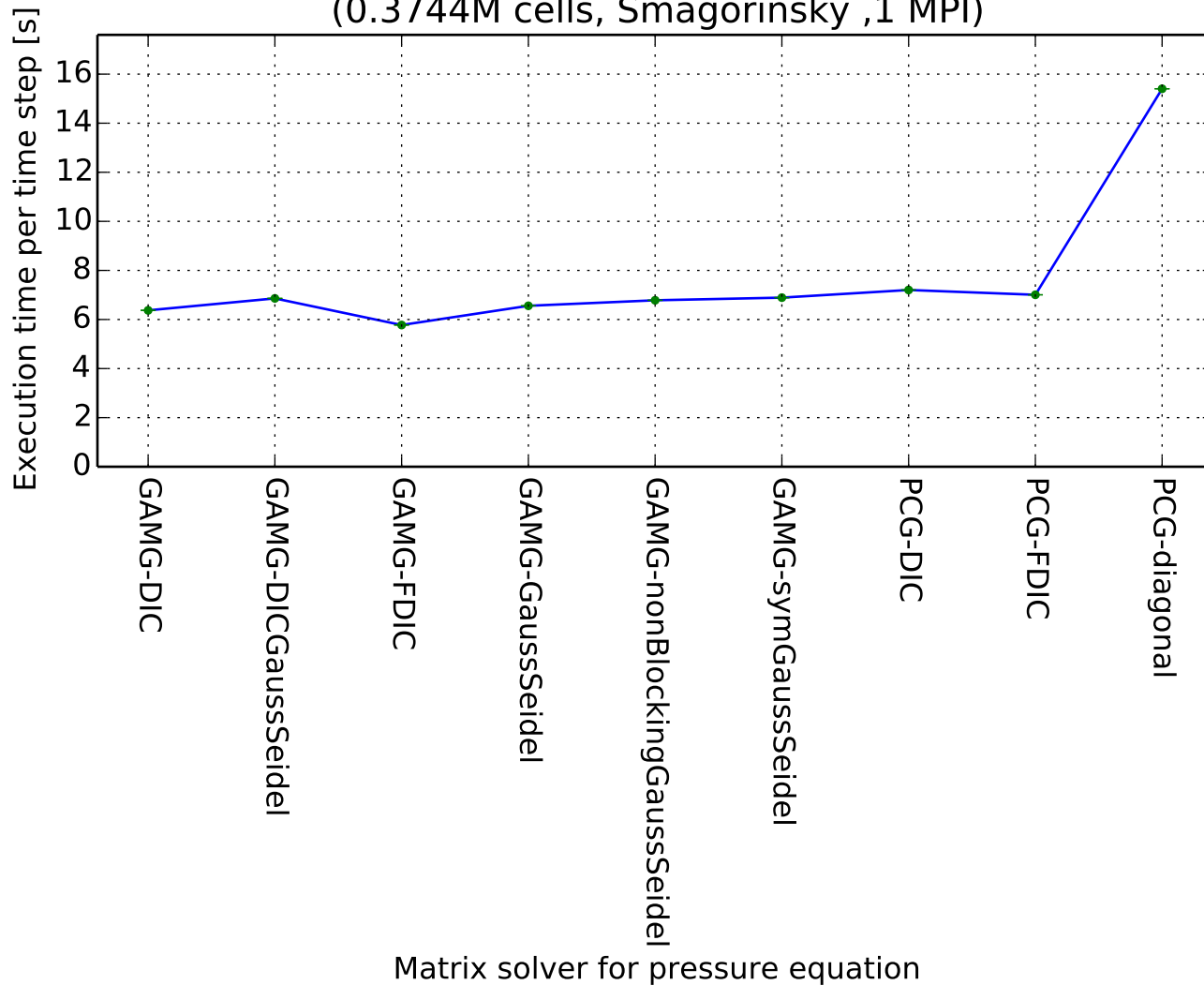
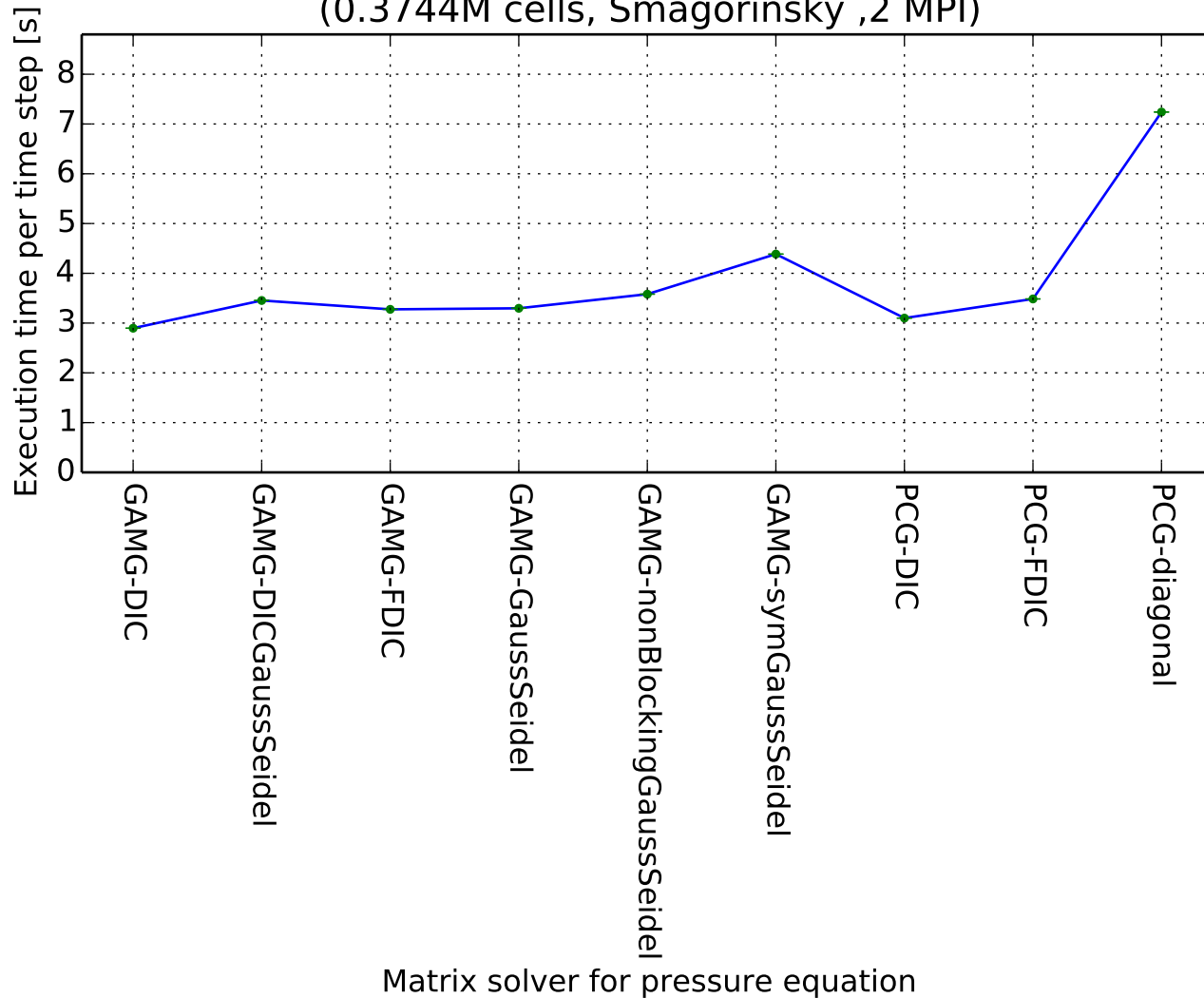


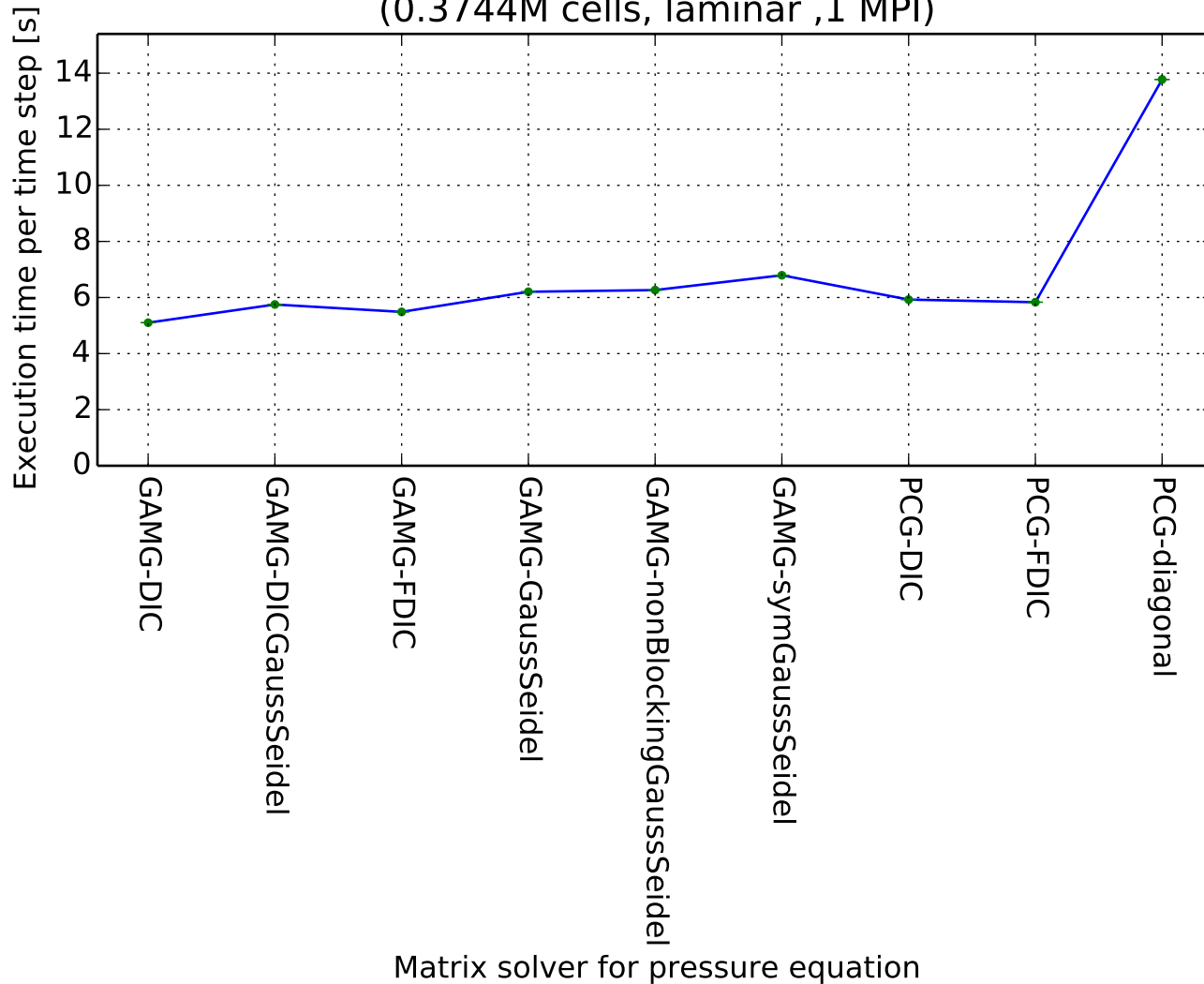
Execution time per time step
(0.3744M cells, Smagorinsky ,1 MPI)



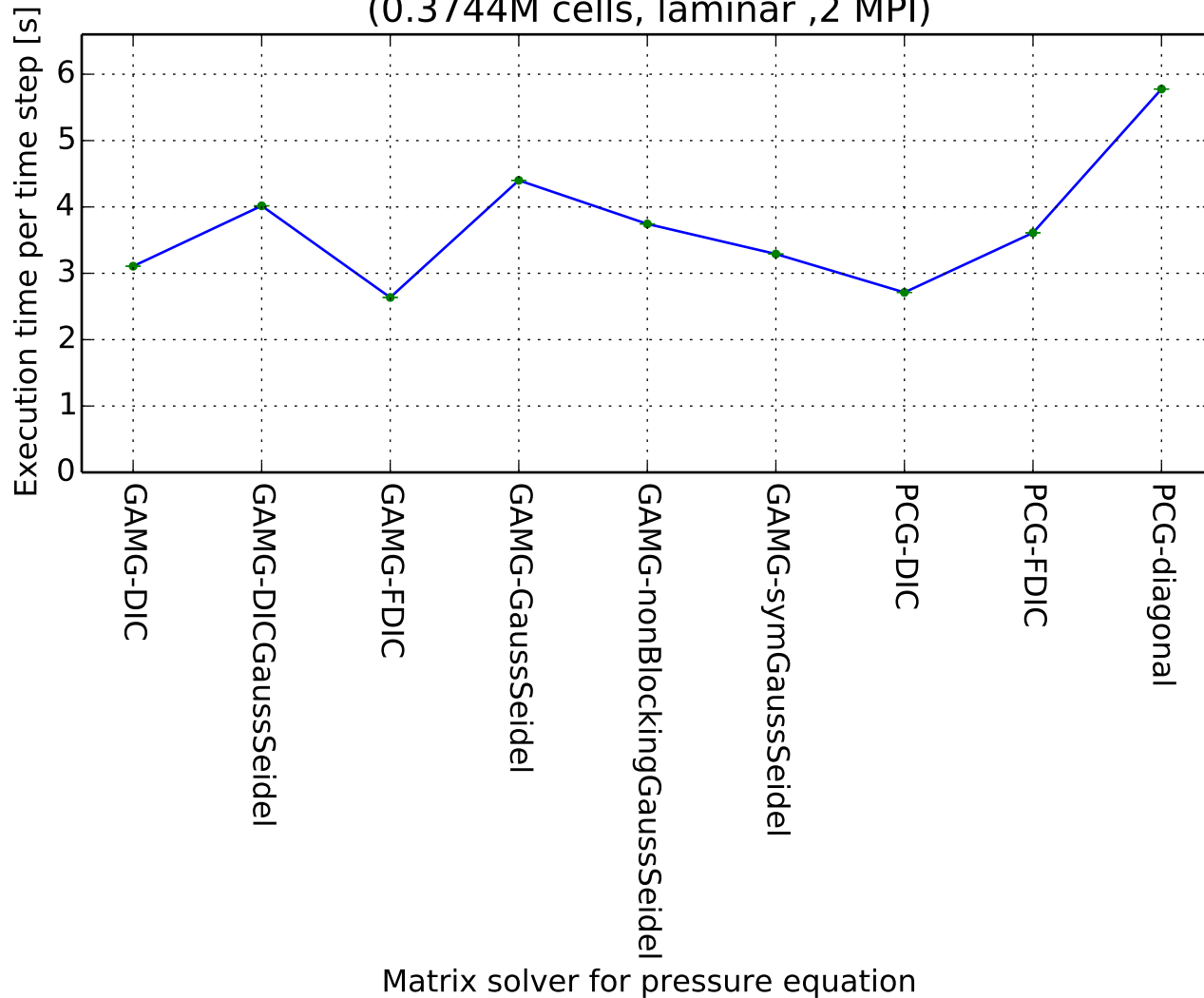
Execution time per time step
(0.3744M cells, Smagorinsky ,2 MPI)



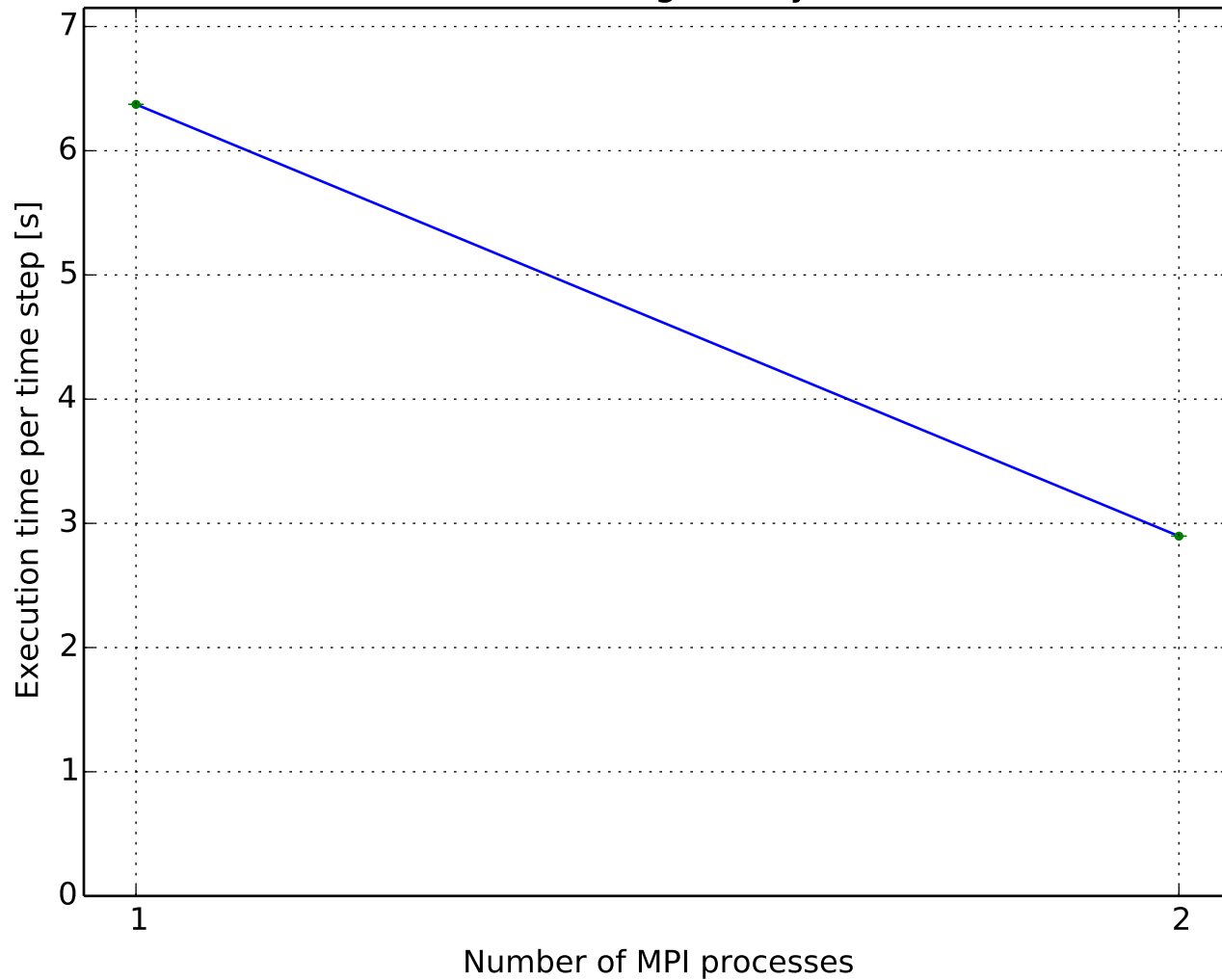
Execution time per time step
(0.3744M cells, laminar ,1 MPI)



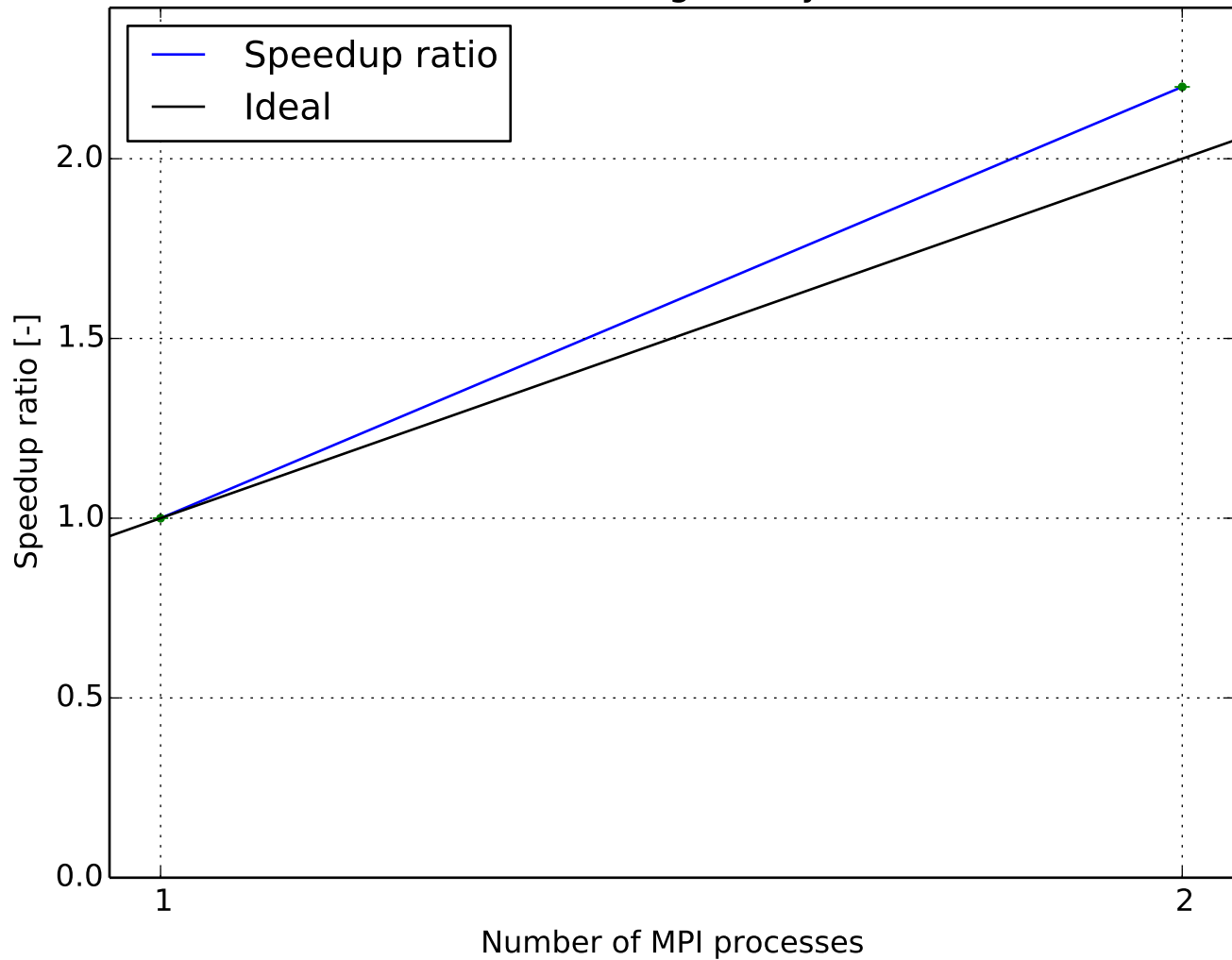
Execution time per time step
(0.3744M cells, laminar ,2 MPI)



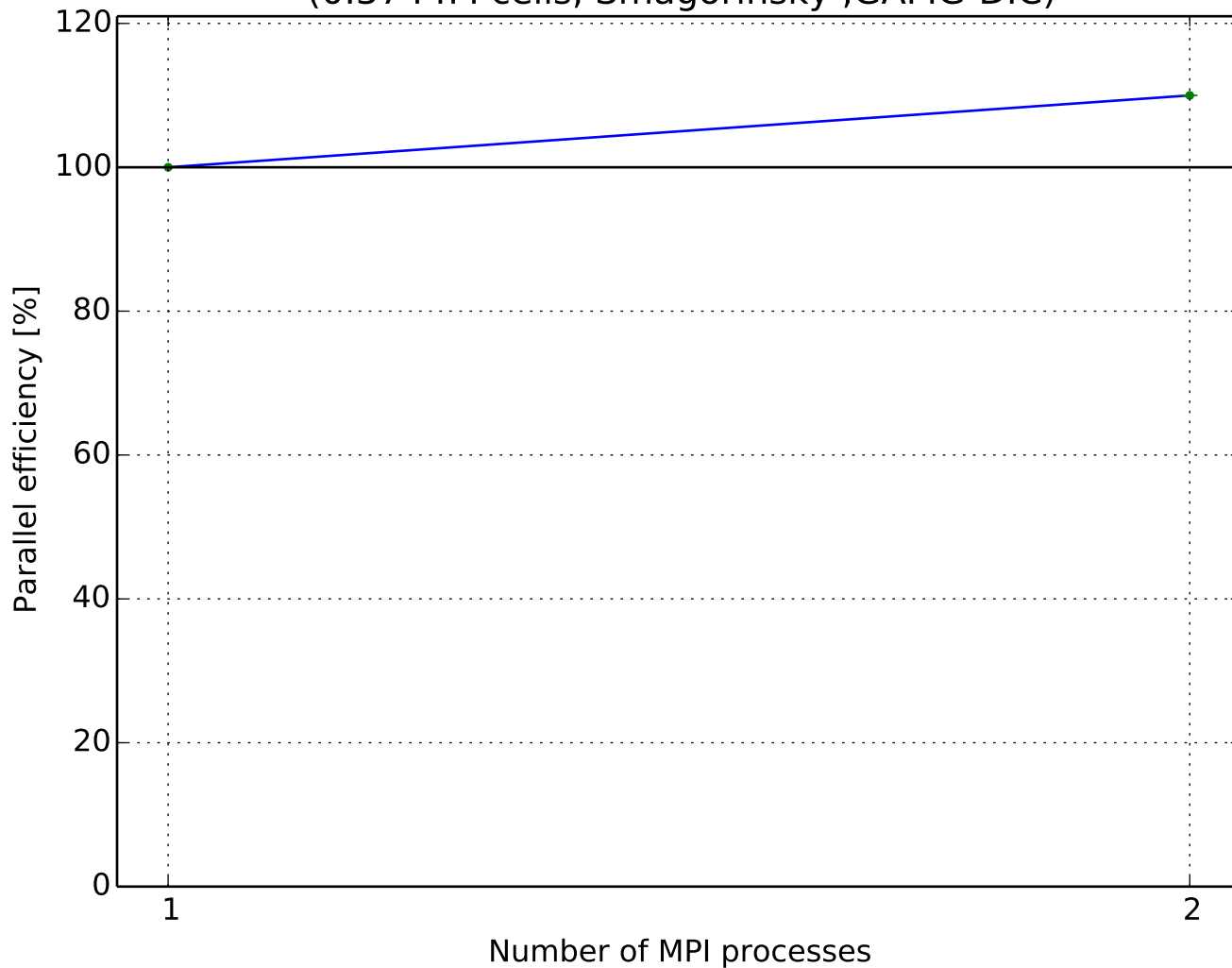
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-DIC)



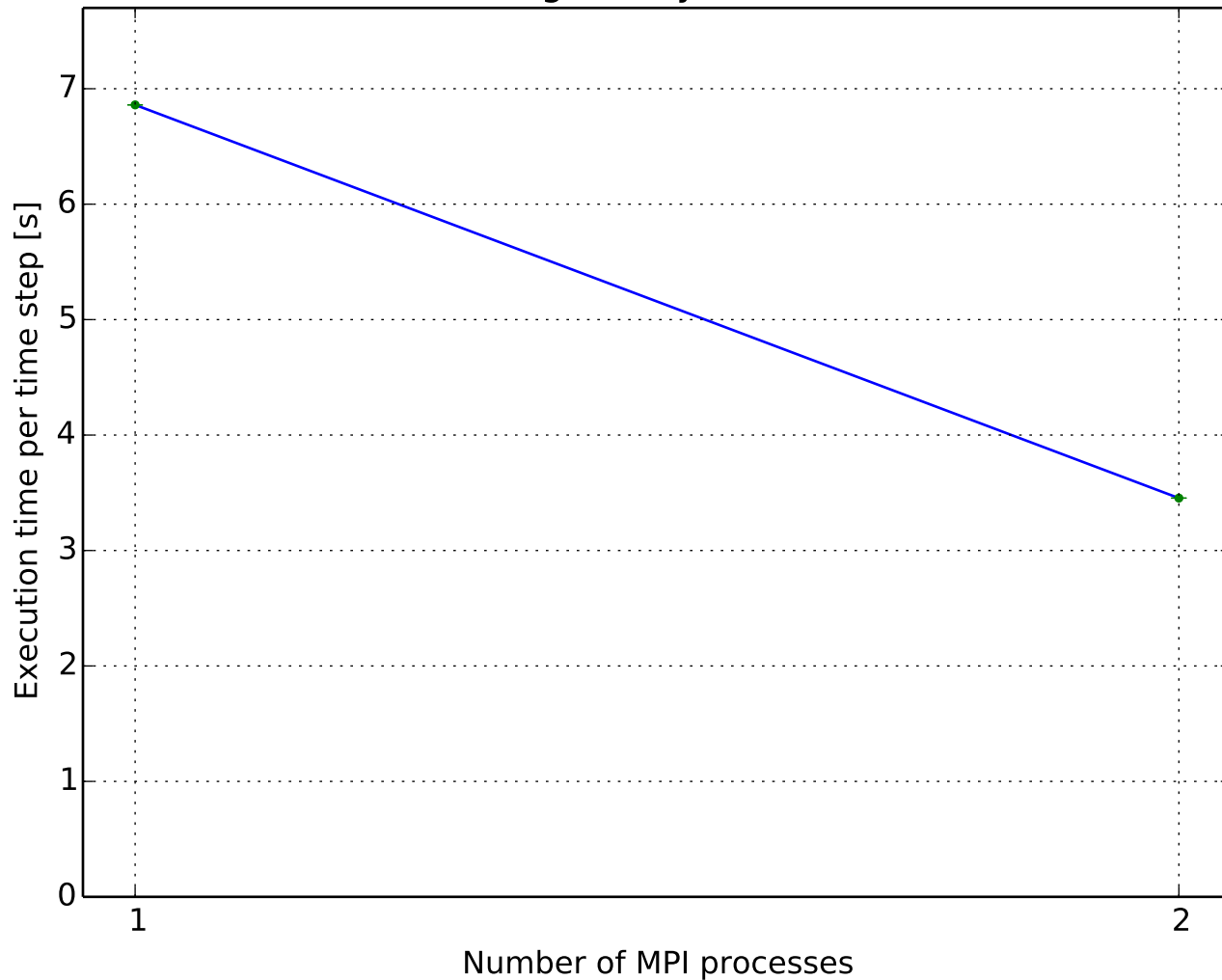
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-DIC)



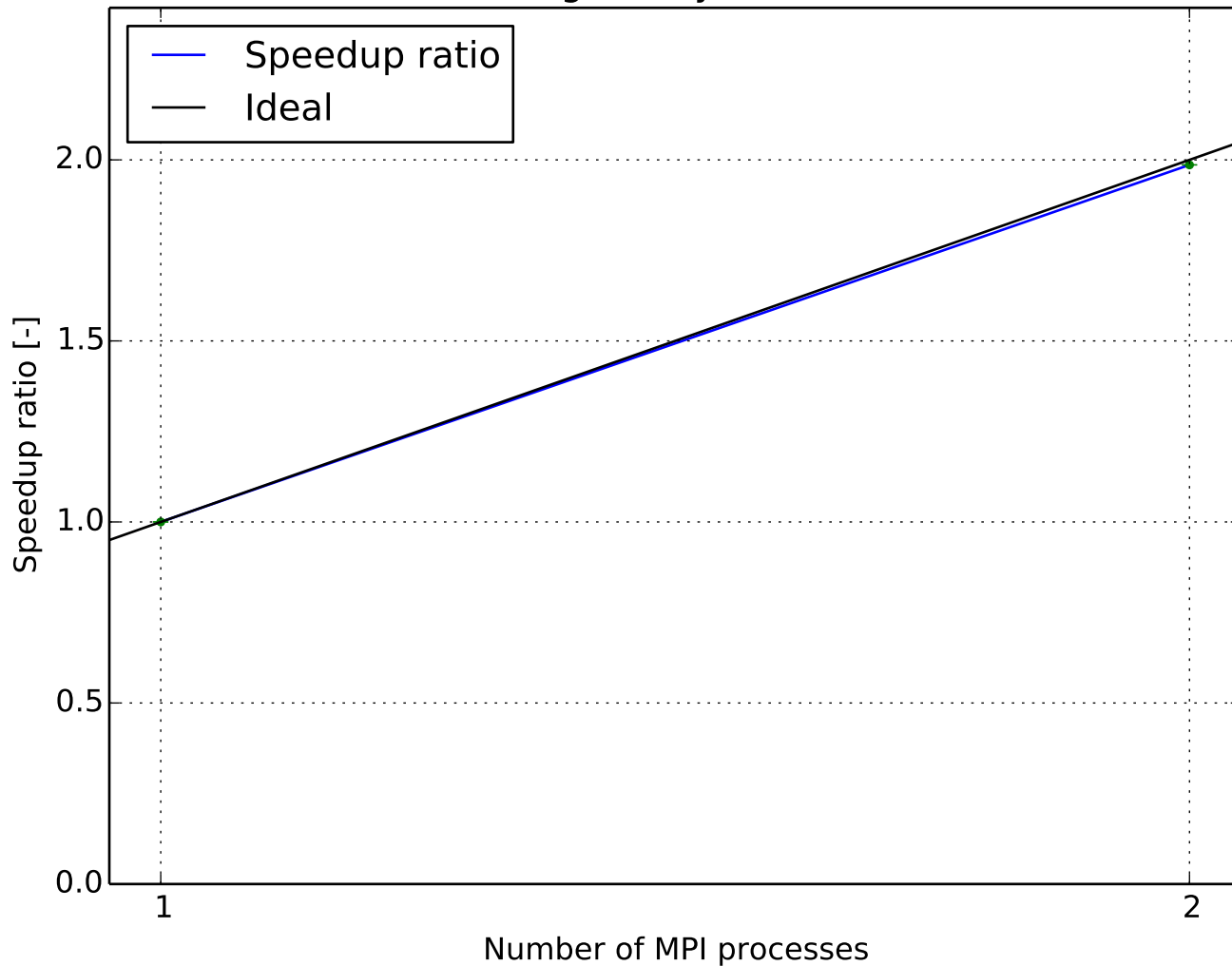
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-DIC)



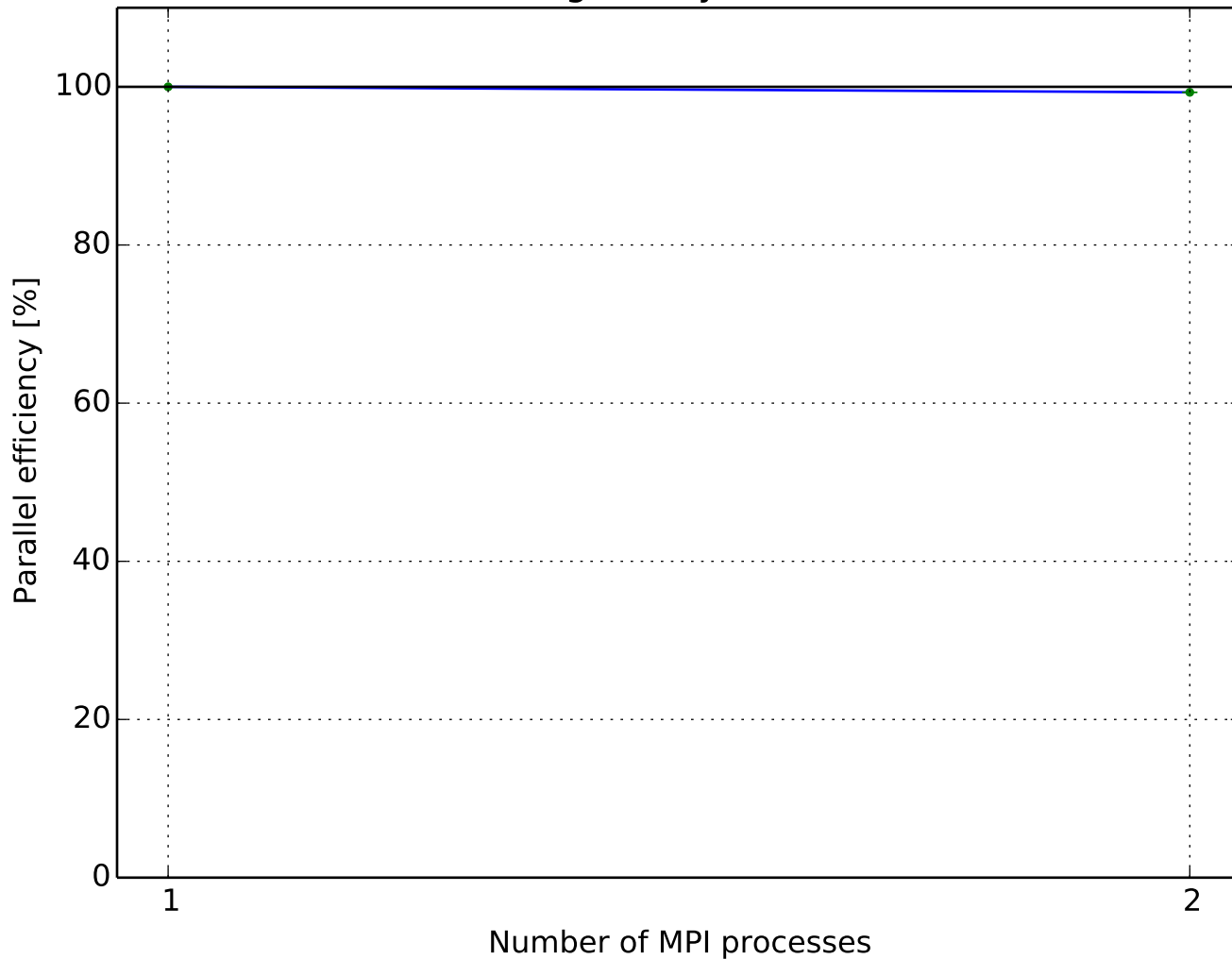
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-DICGaussSeidel)



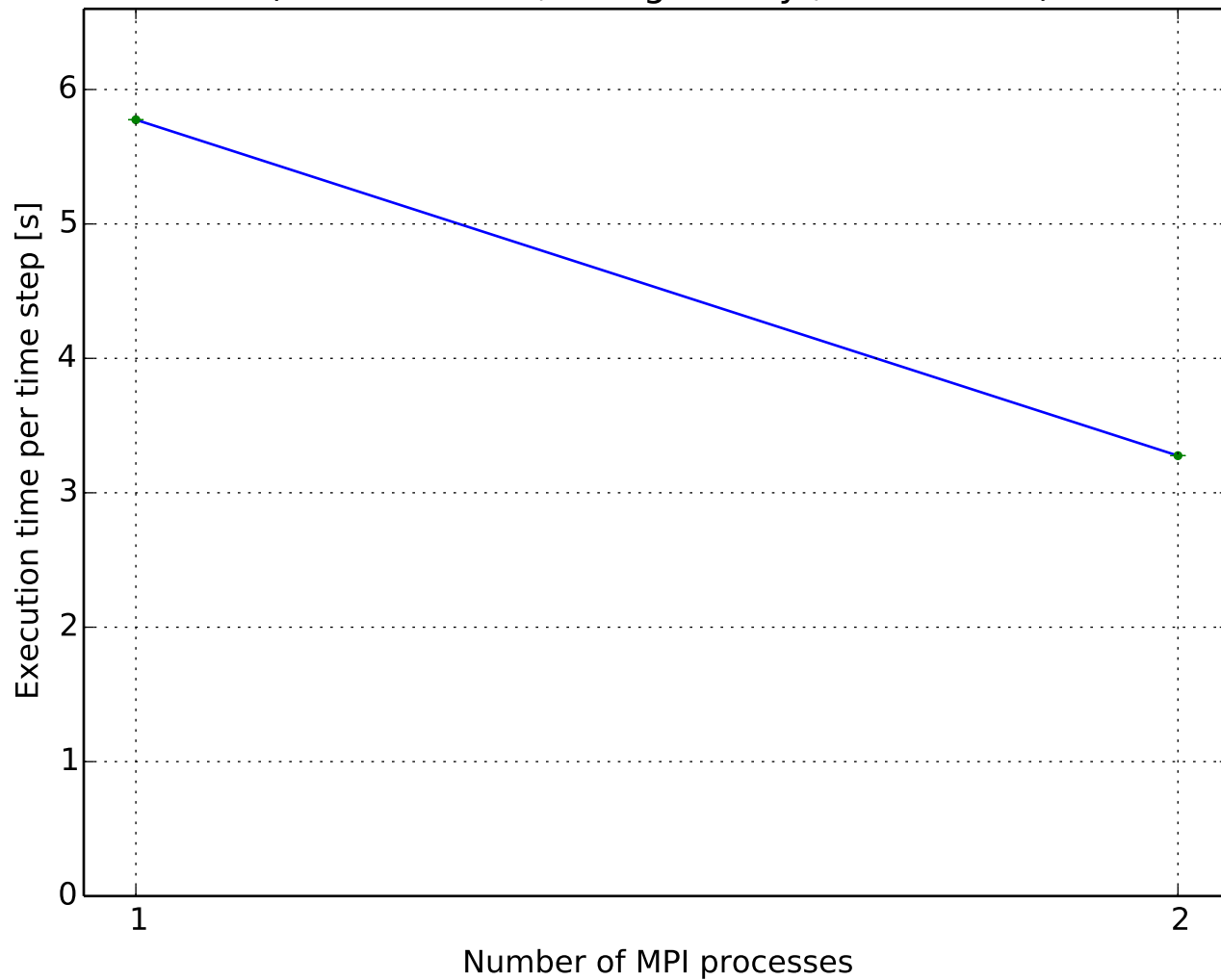
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-DICGaussSeidel)



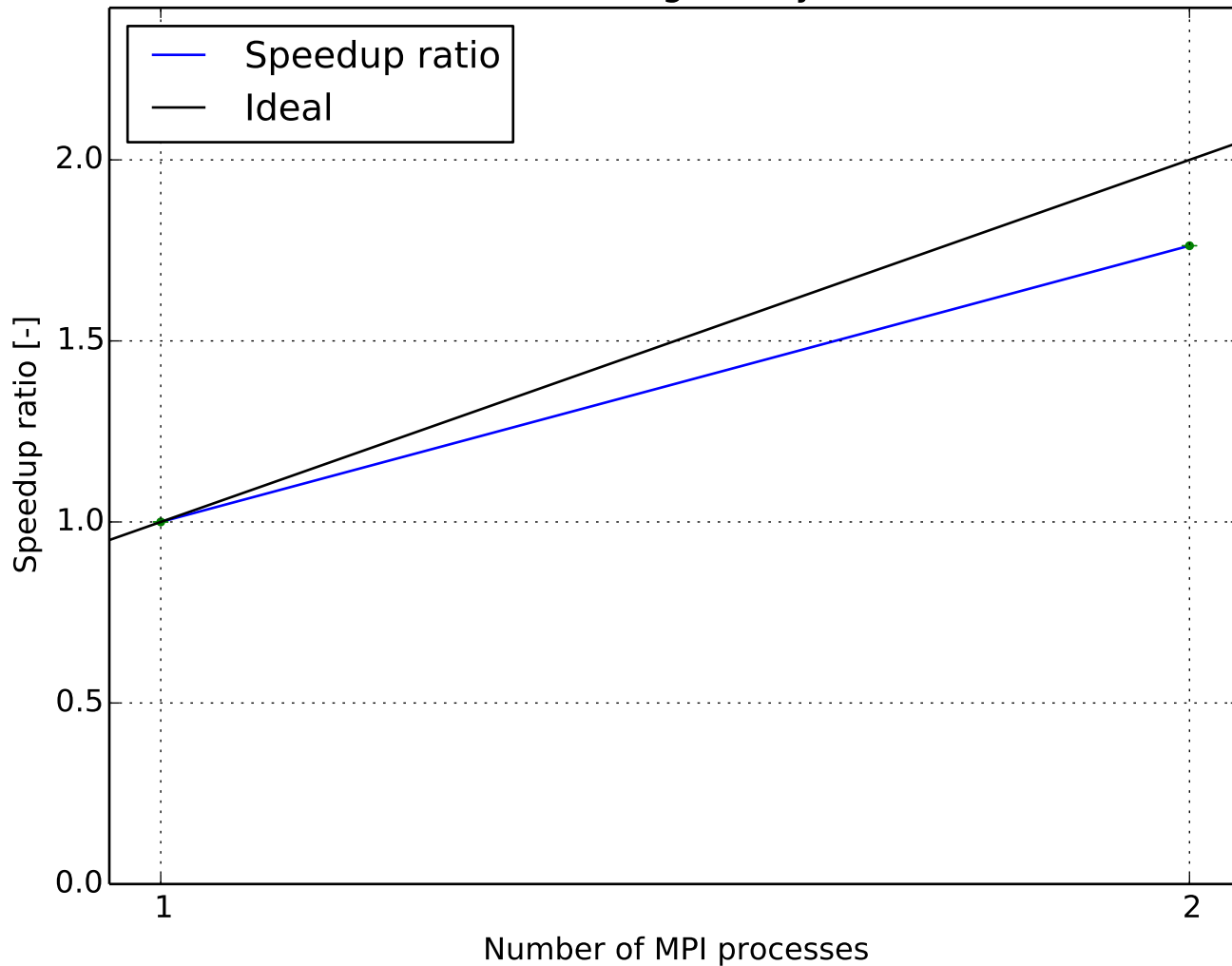
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-DICGaussSeidel)



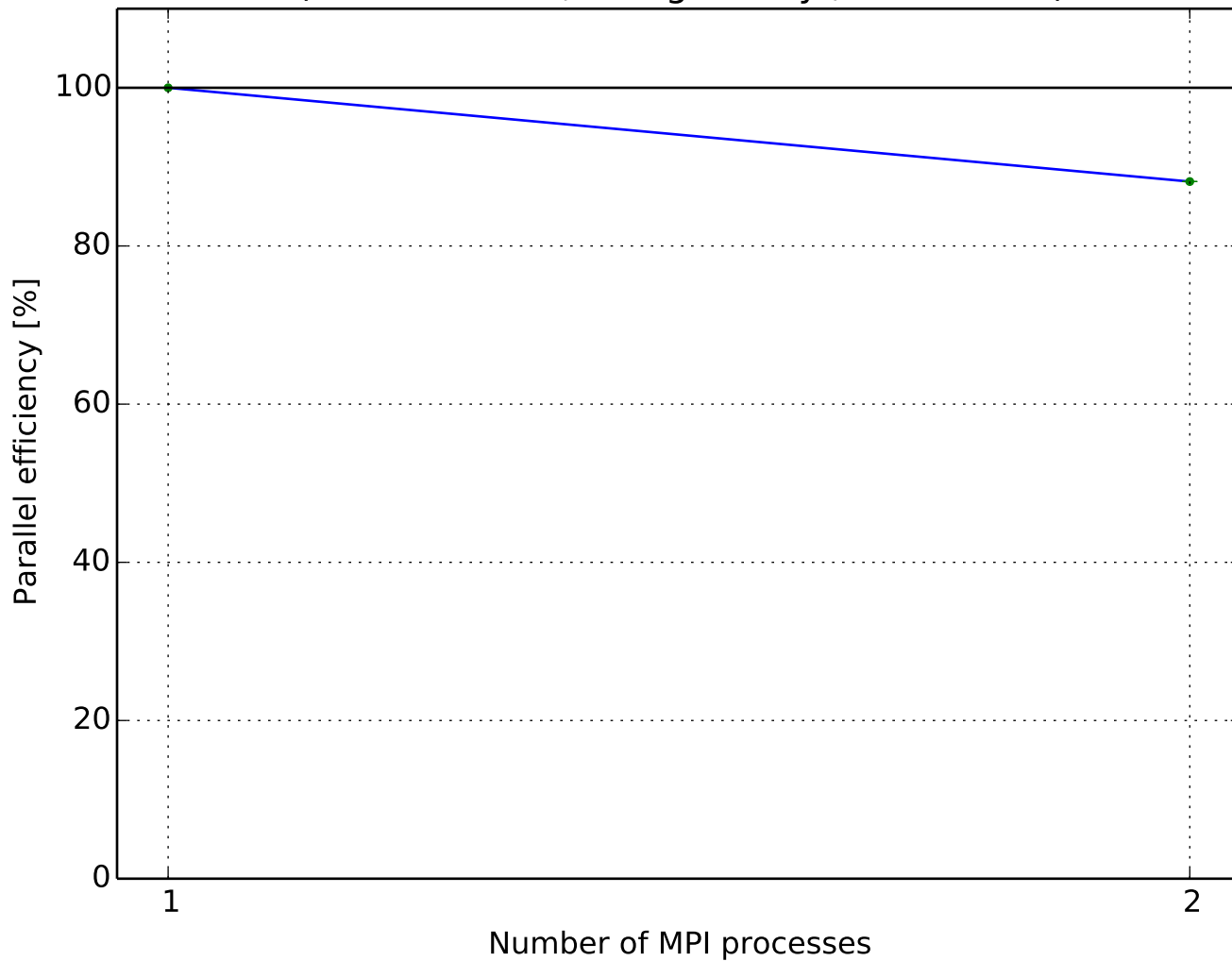
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-FDIC)



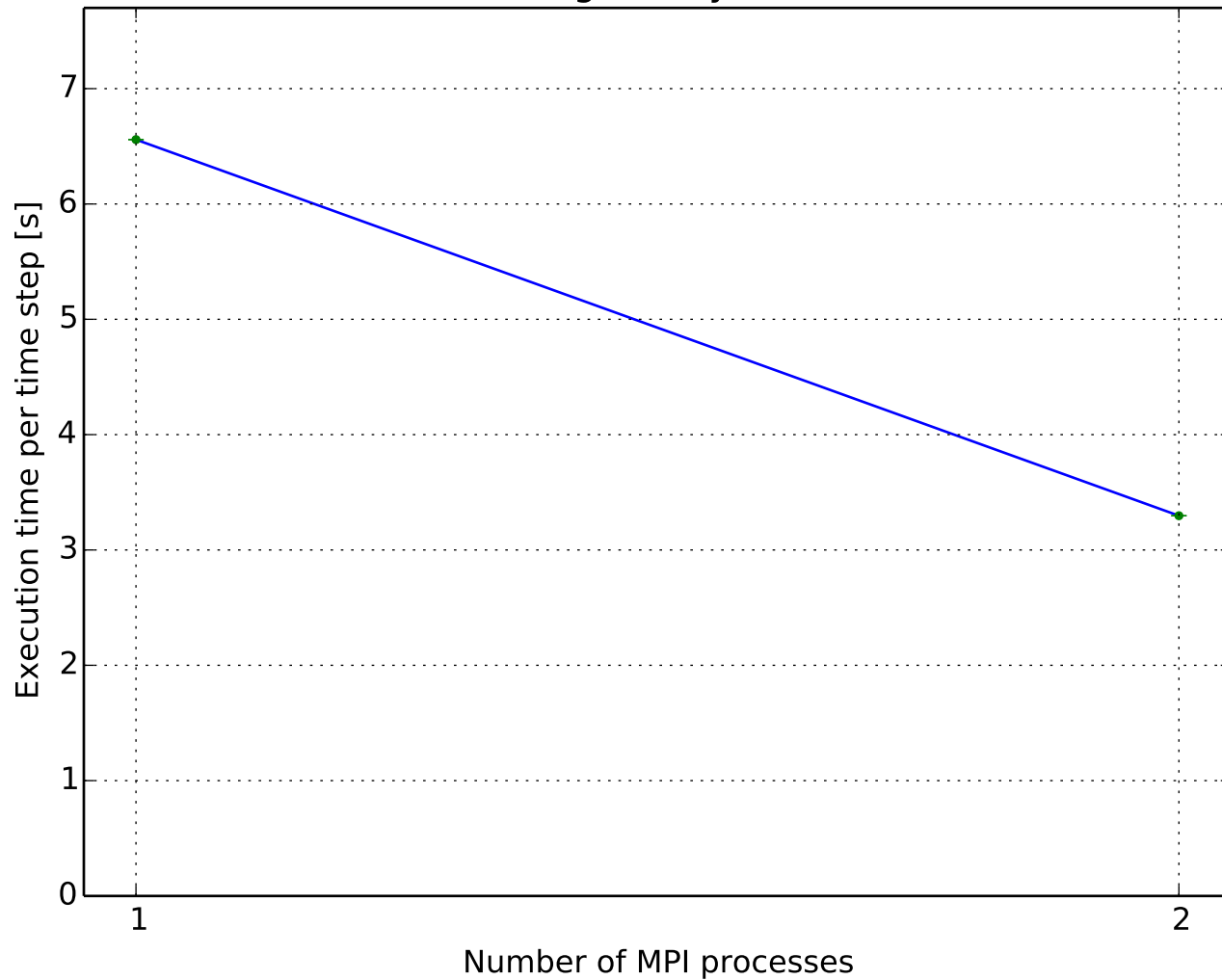
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-FDIC)



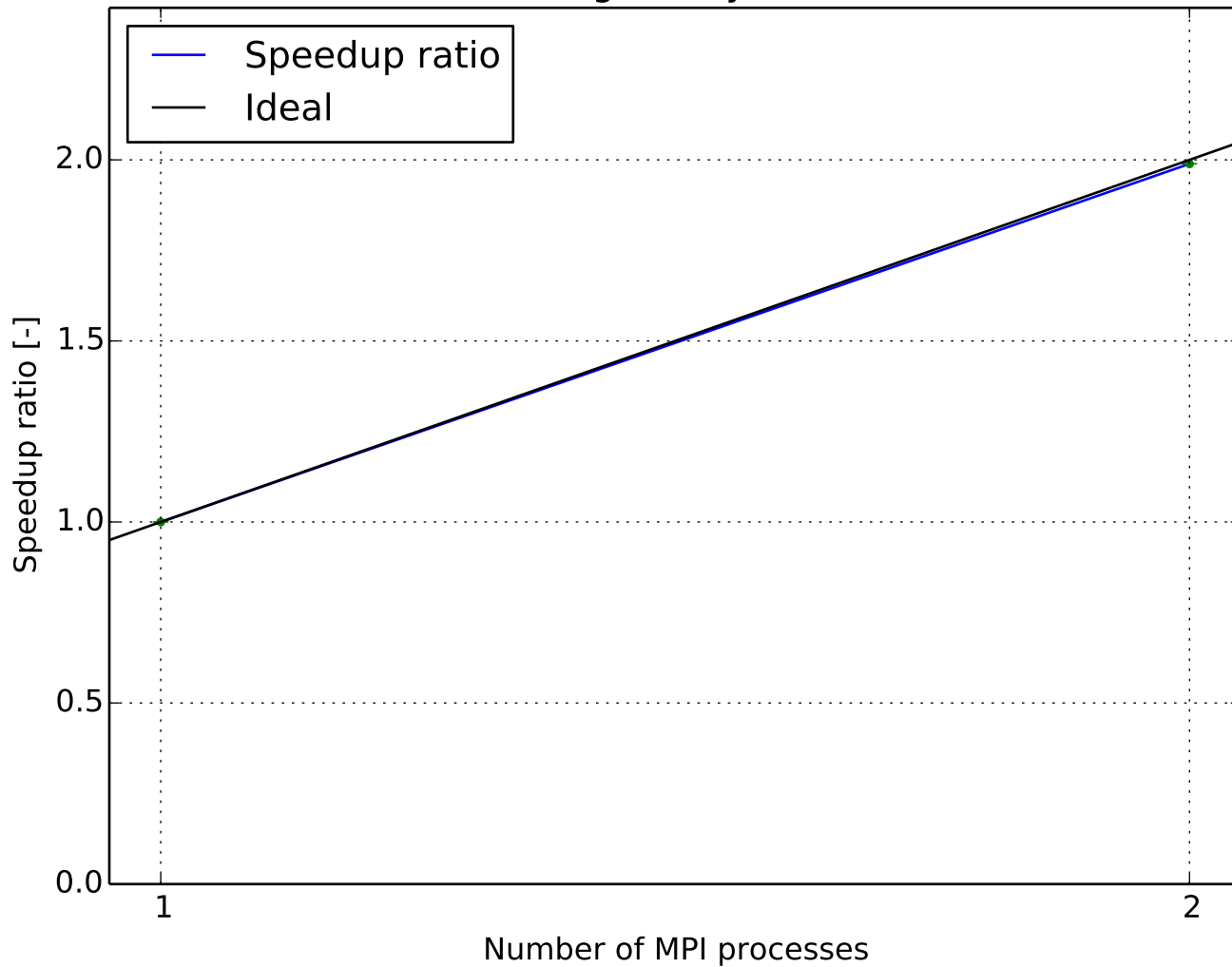
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-FDIC)



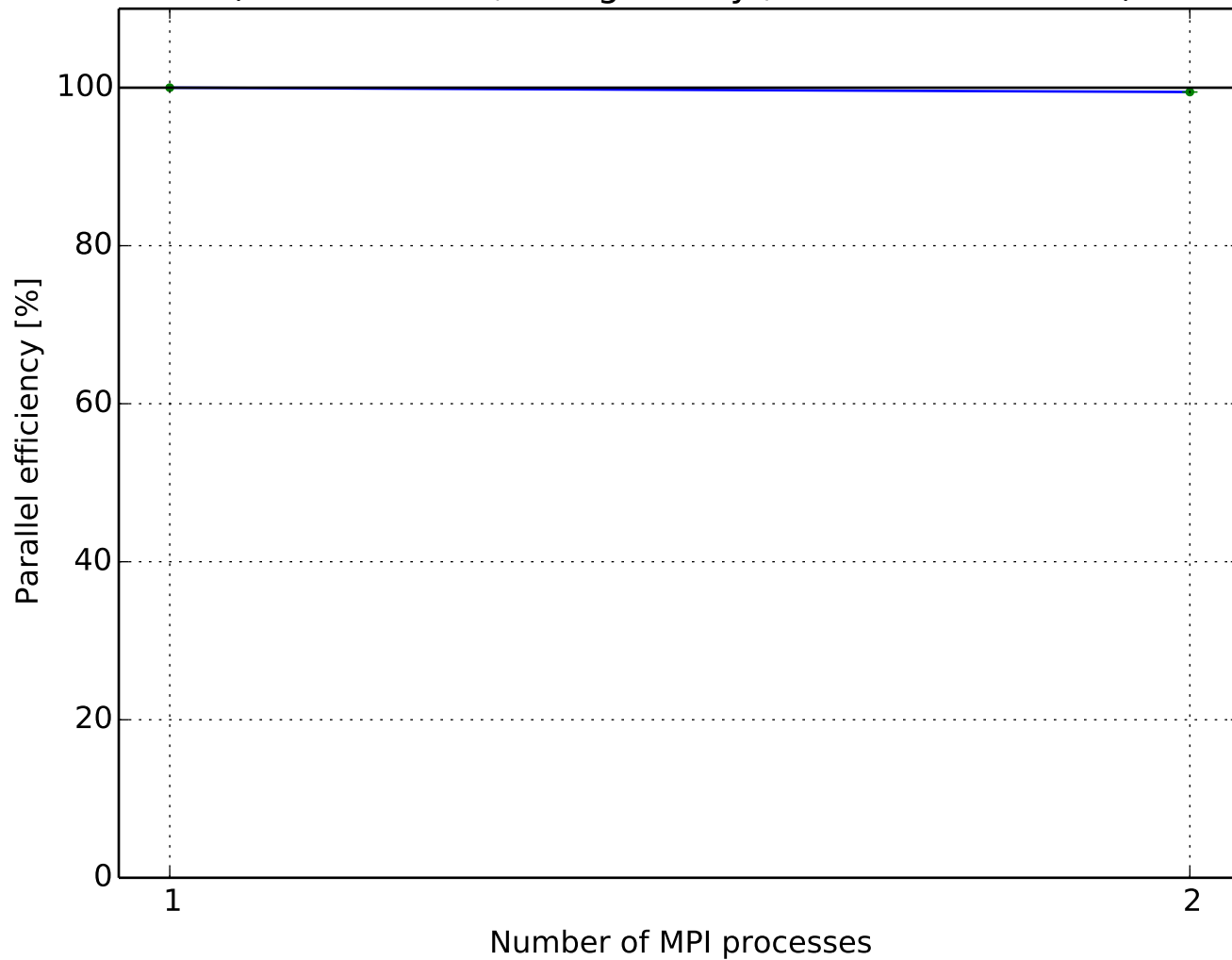
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-GaussSeidel)



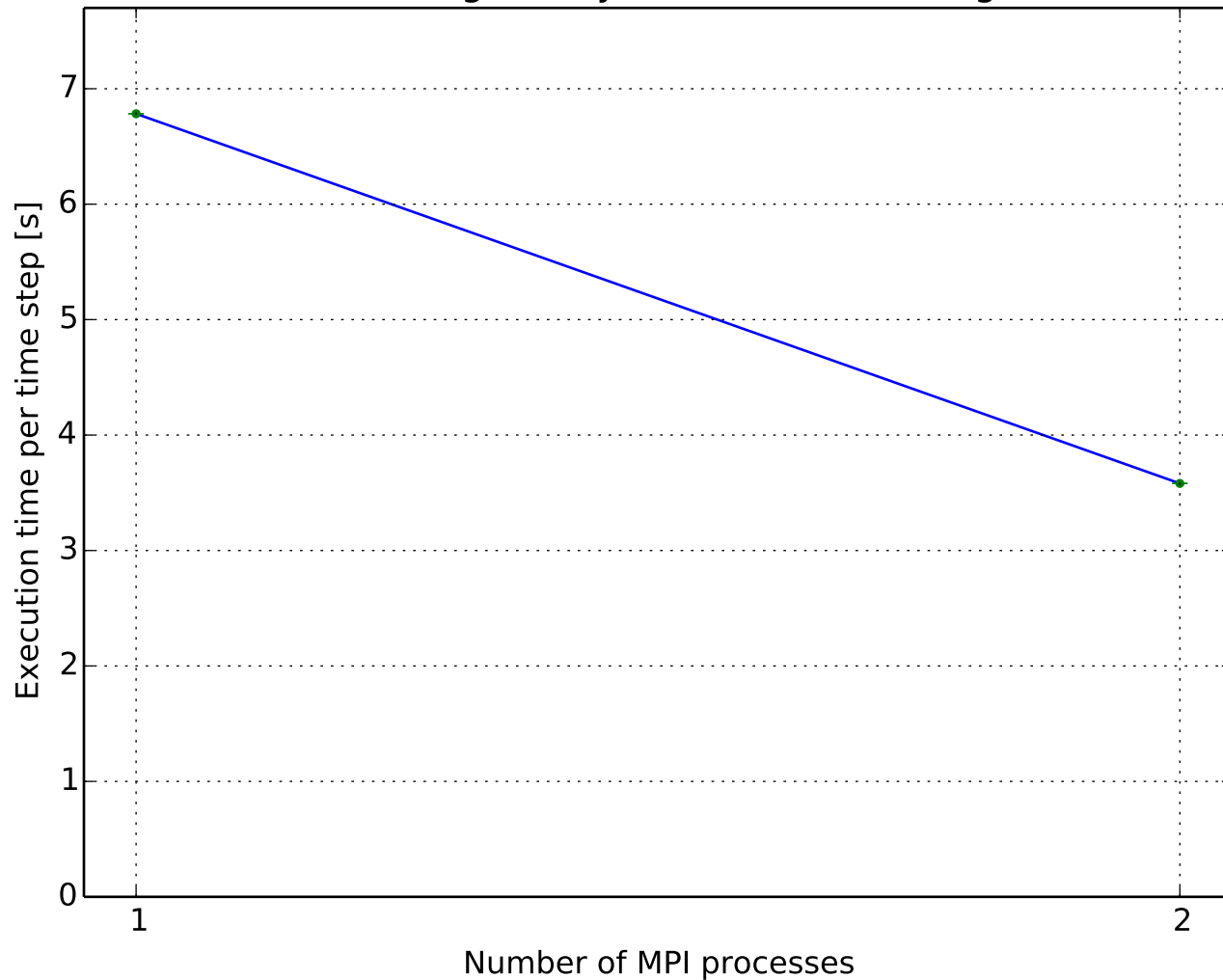
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-GaussSeidel)



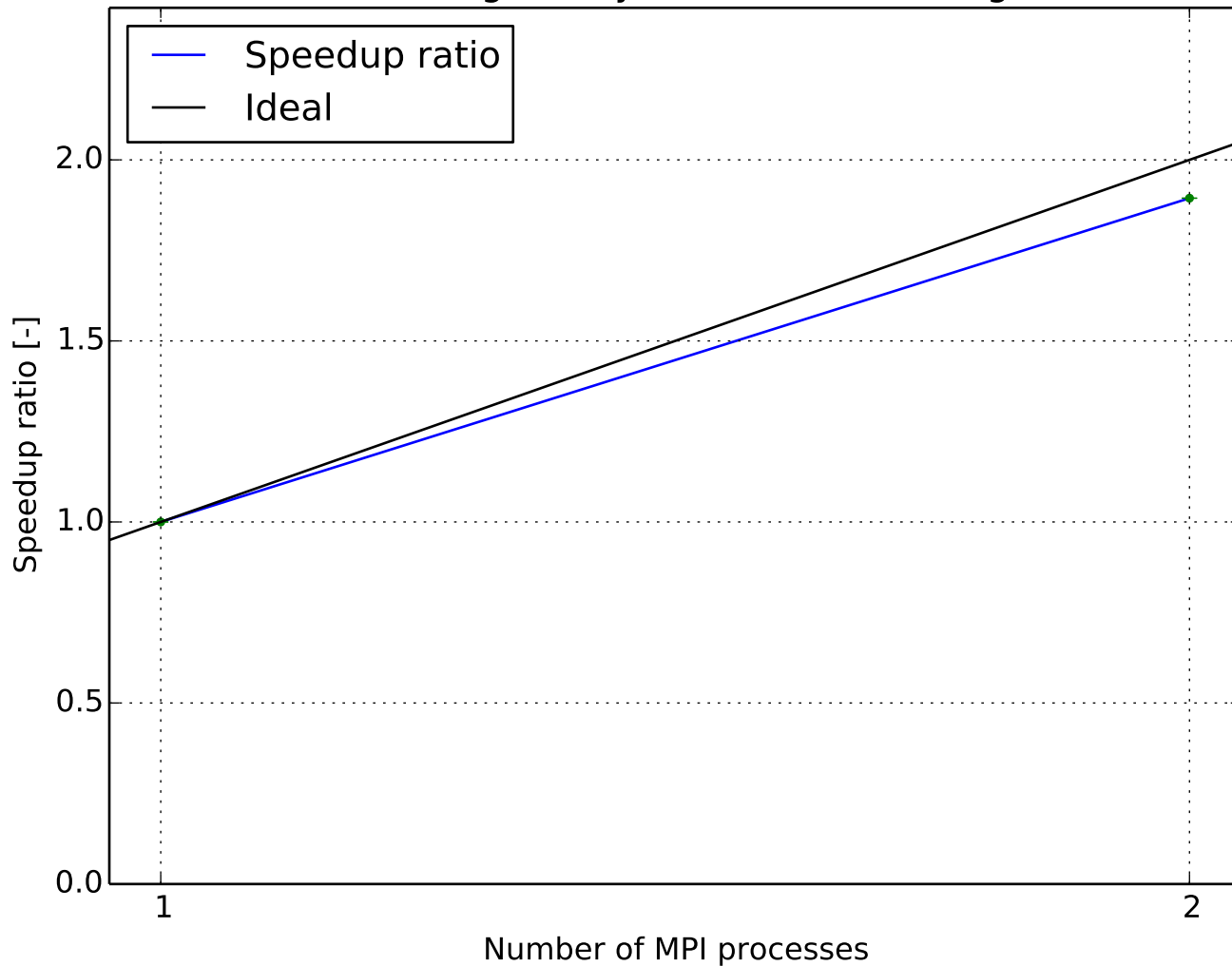
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-GaussSeidel)



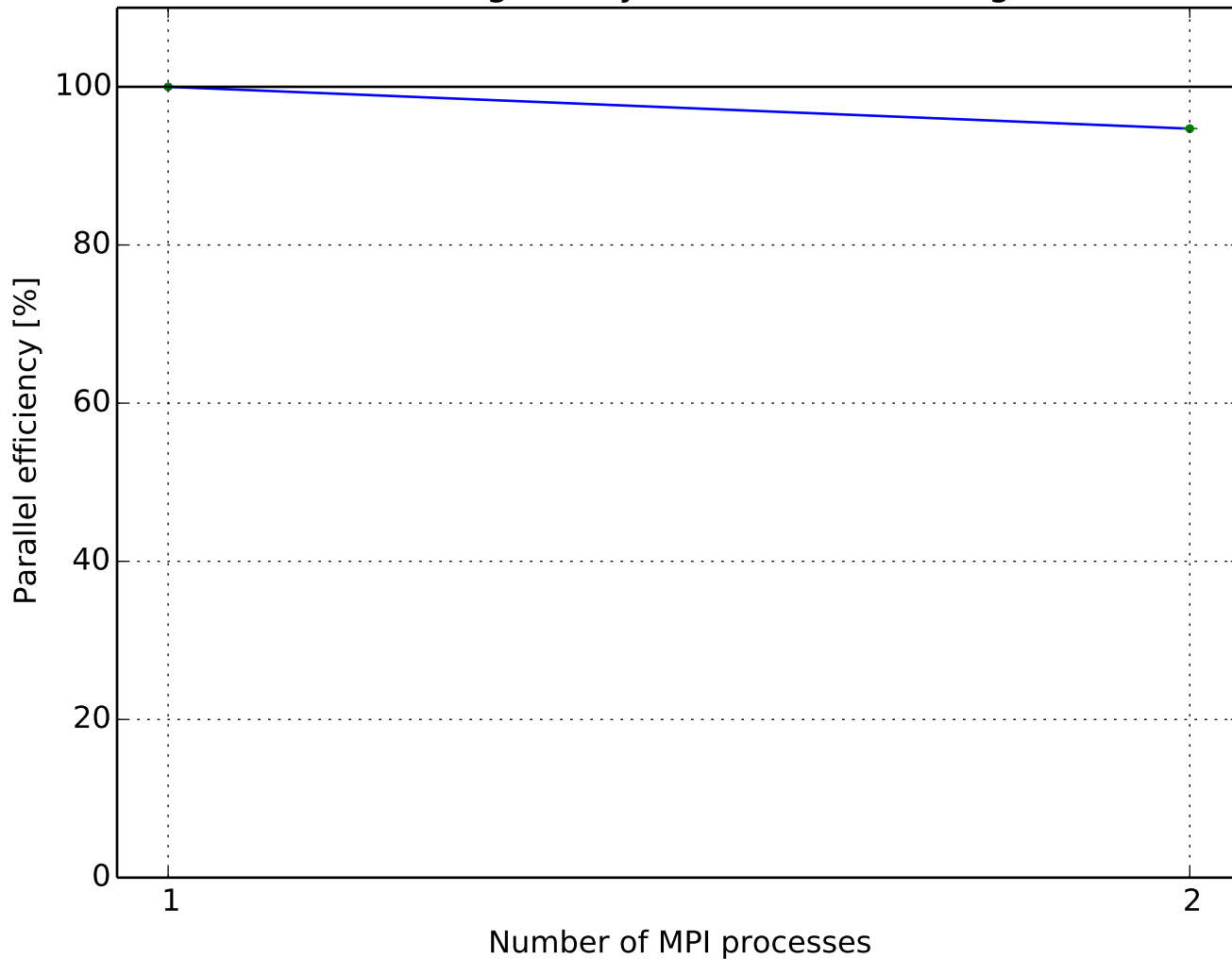
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-nonBlockingGaussSeidel)



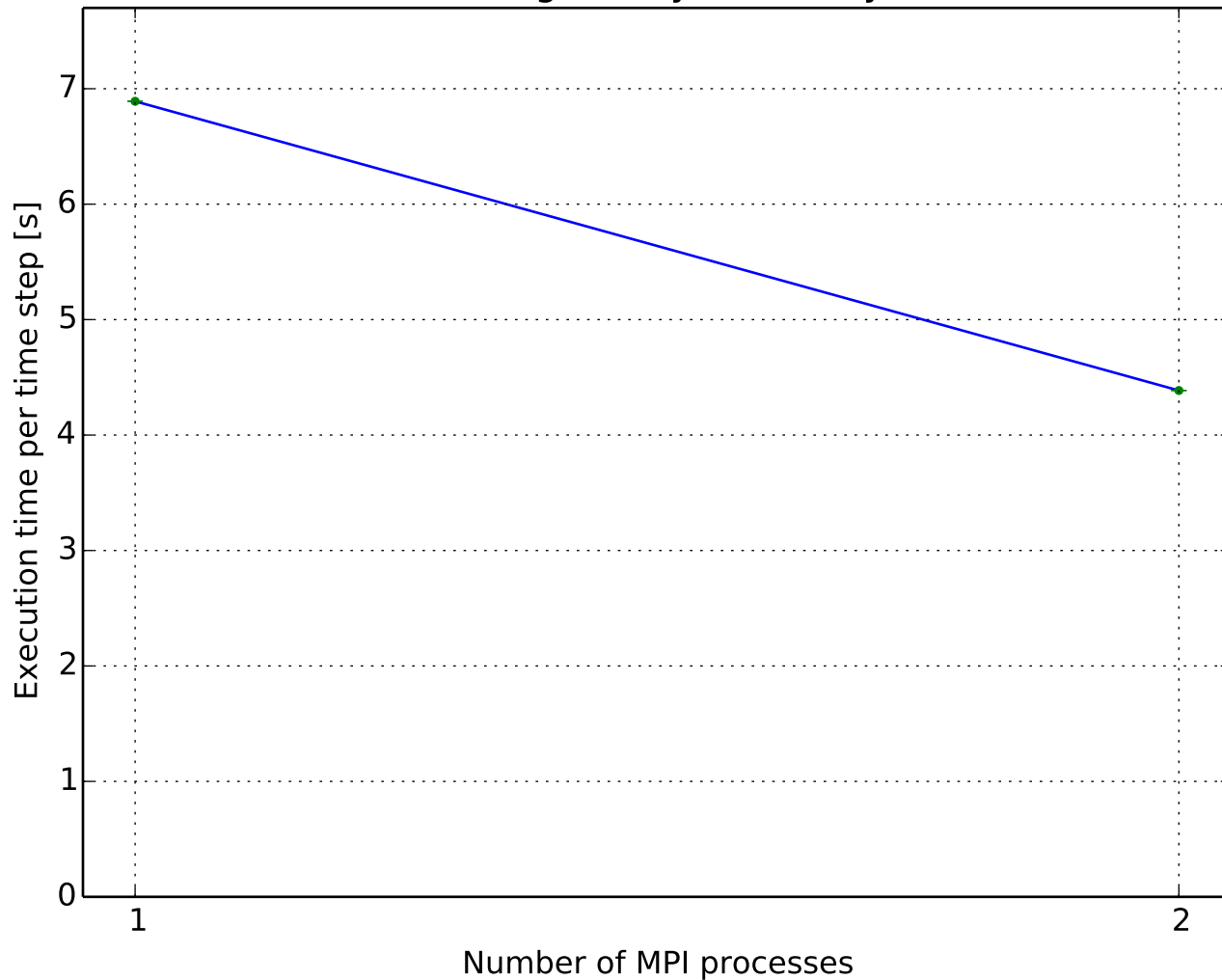
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-nonBlockingGaussSeidel)



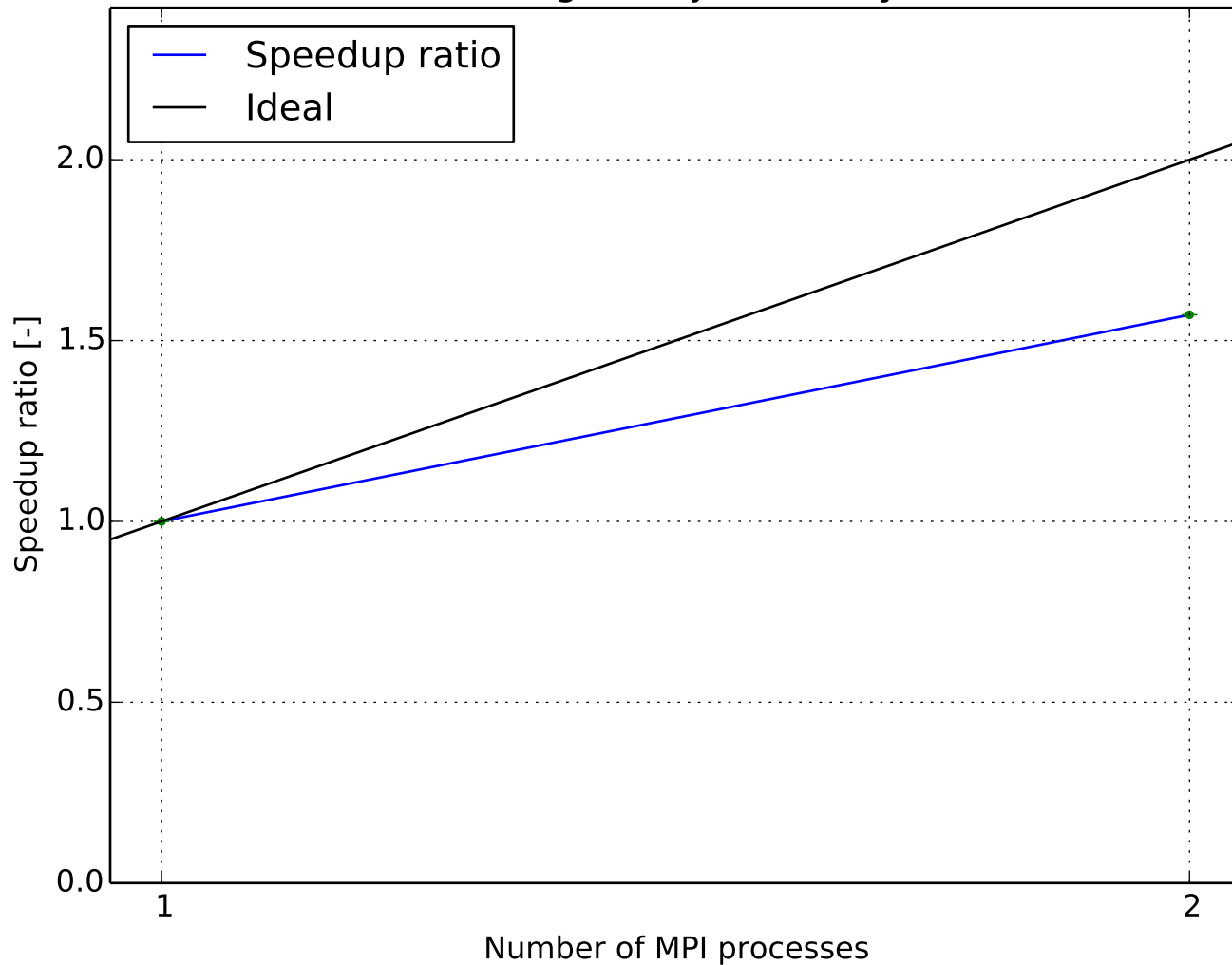
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-nonBlockingGaussSeidel)



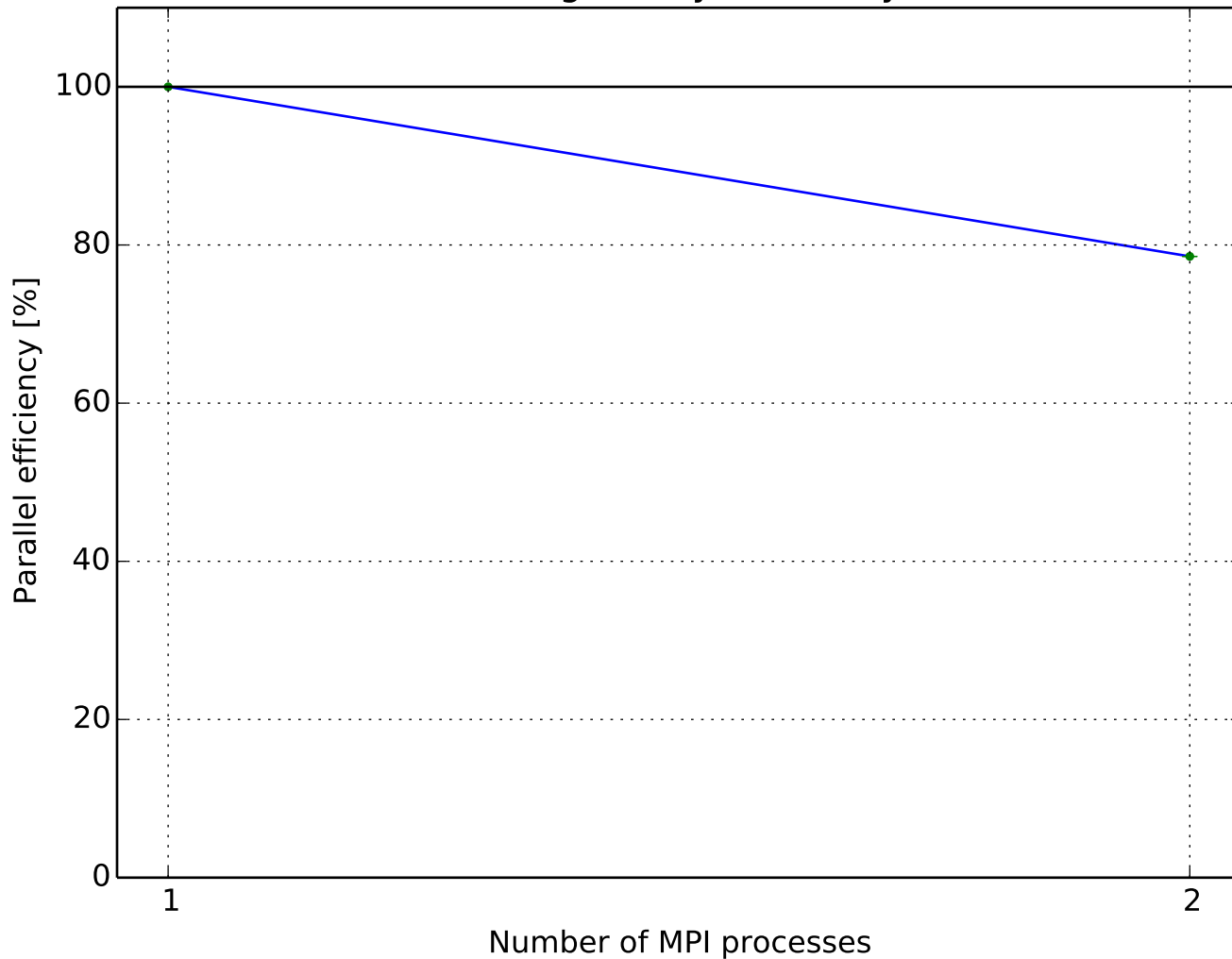
Execution time per time step
(0.3744M cells, Smagorinsky ,GAMG-symGaussSeidel)



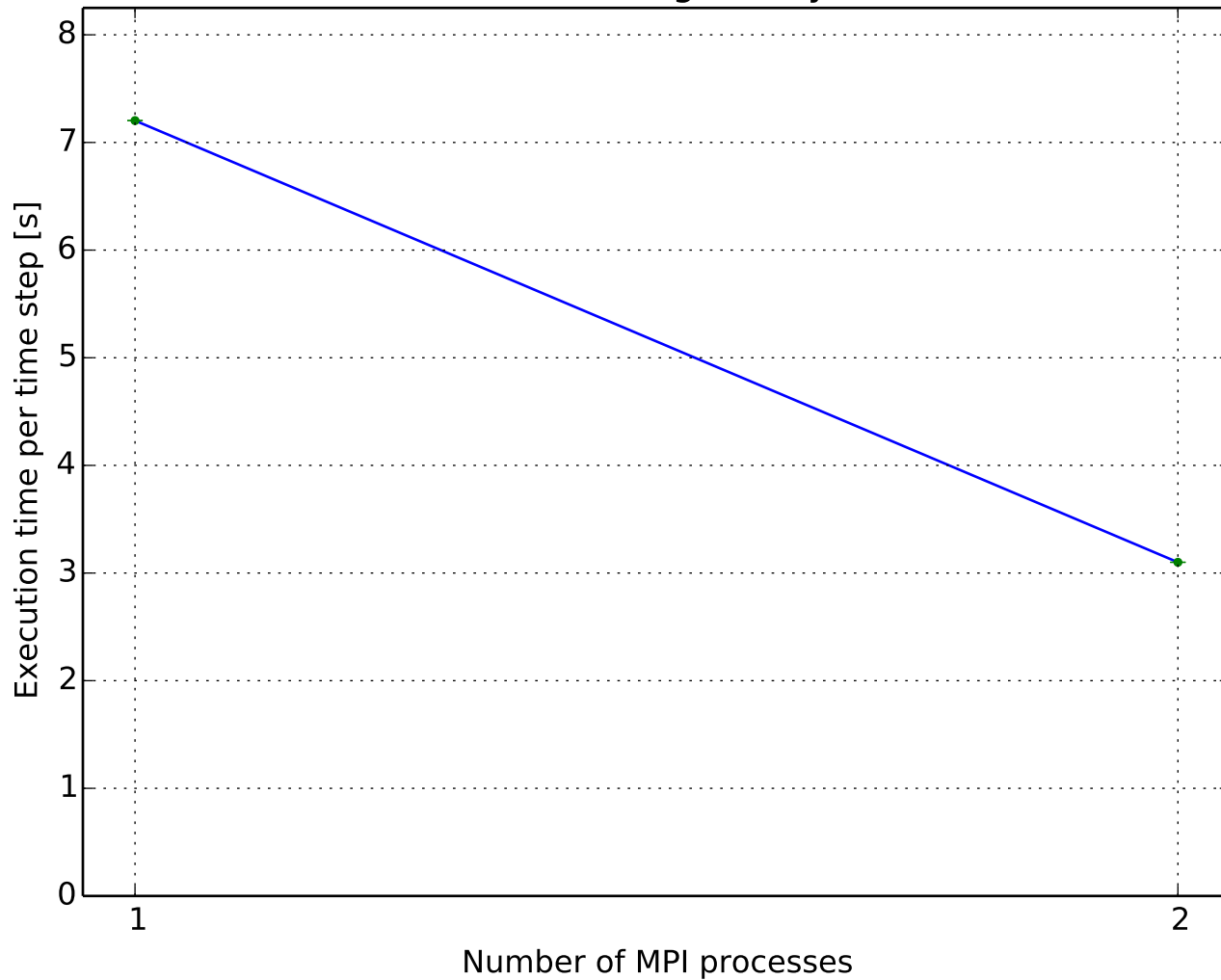
Speedup ratio
(0.3744M cells, Smagorinsky ,GAMG-symGaussSeidel)



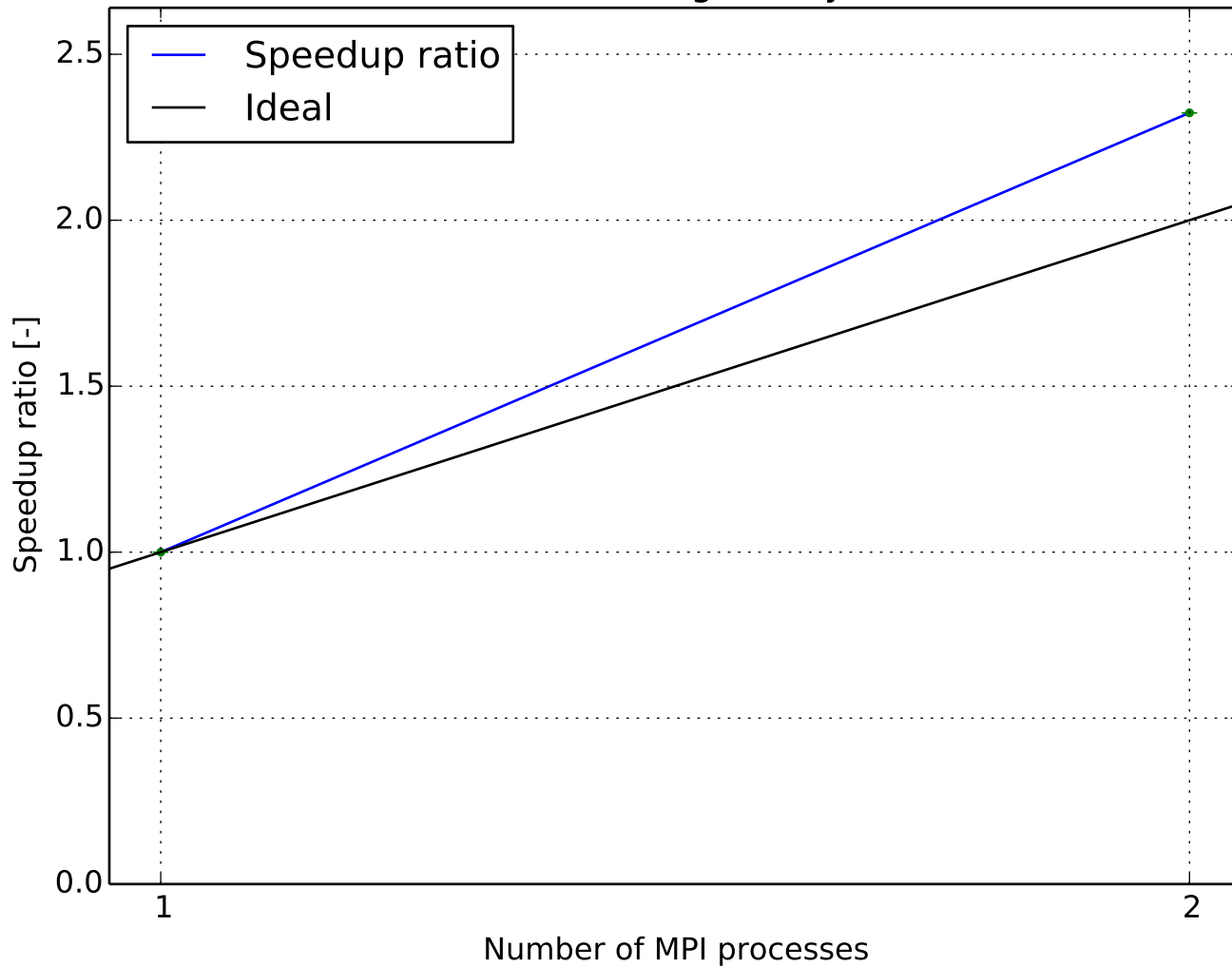
Parallel efficiency
(0.3744M cells, Smagorinsky ,GAMG-symGaussSeidel)



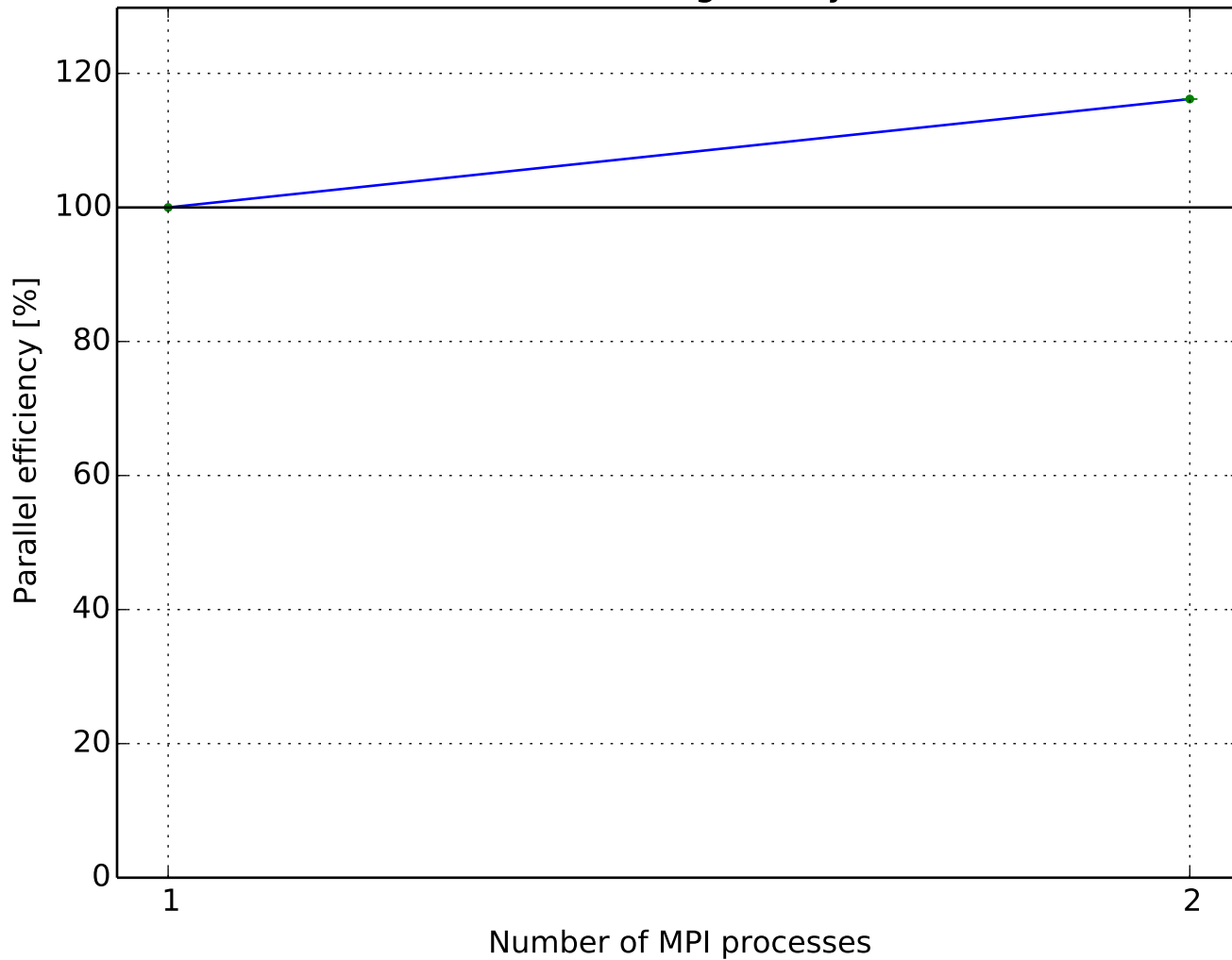
Execution time per time step
(0.3744M cells, Smagorinsky ,PCG-DIC)



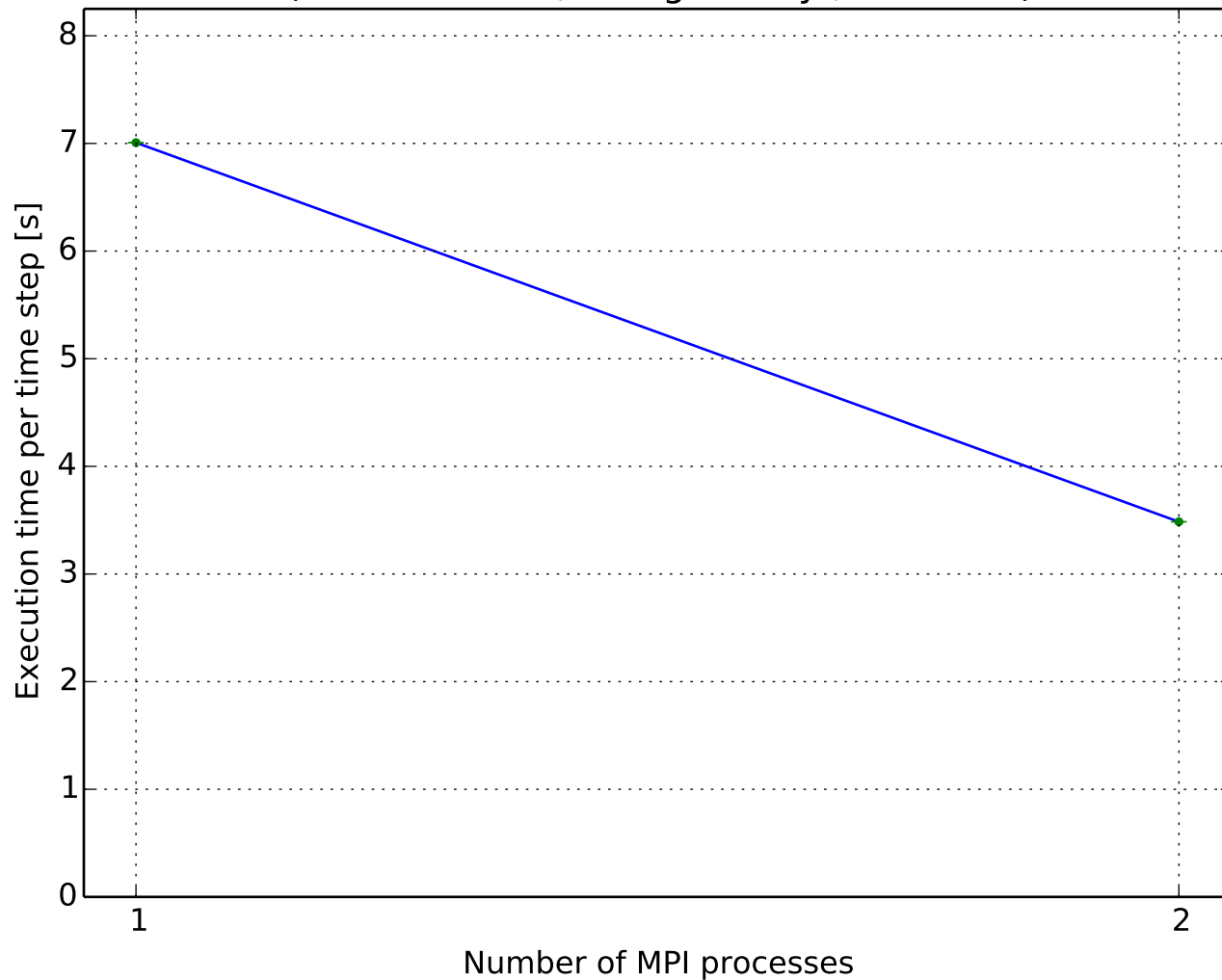
Speedup ratio
(0.3744M cells, Smagorinsky ,PCG-DIC)



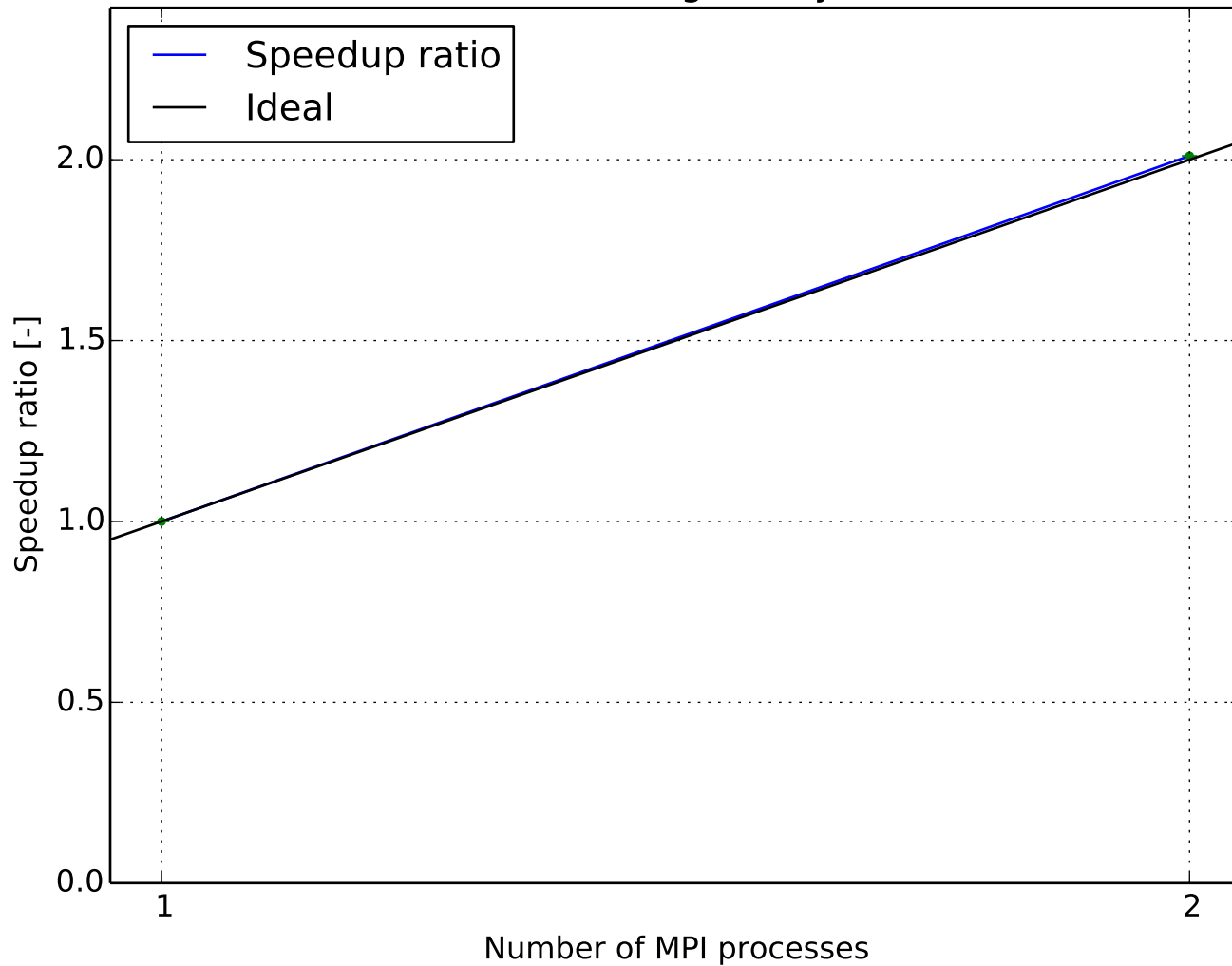
Parallel efficiency
(0.3744M cells, Smagorinsky ,PCG-DIC)



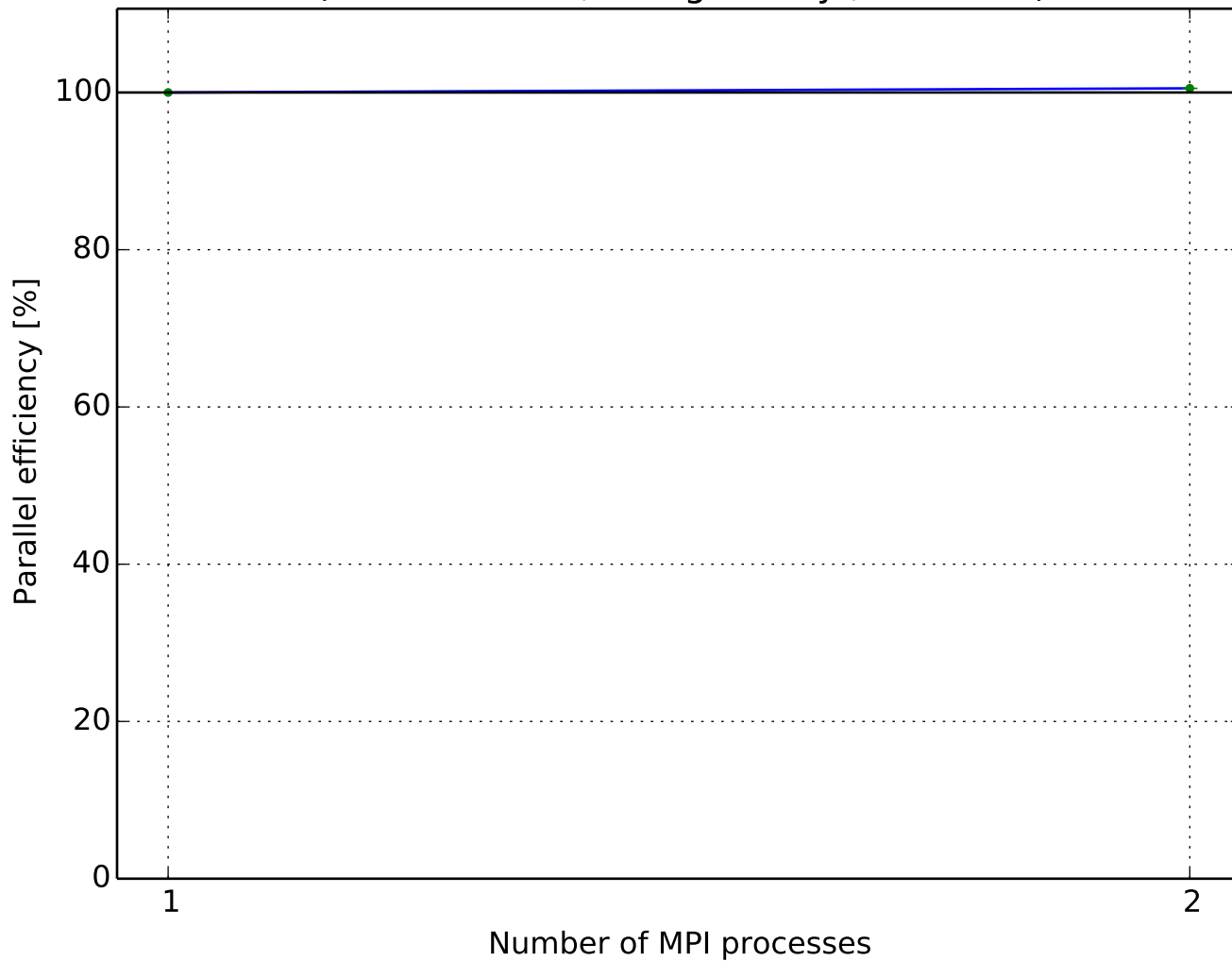
Execution time per time step
(0.3744M cells, Smagorinsky ,PCG-FDIC)



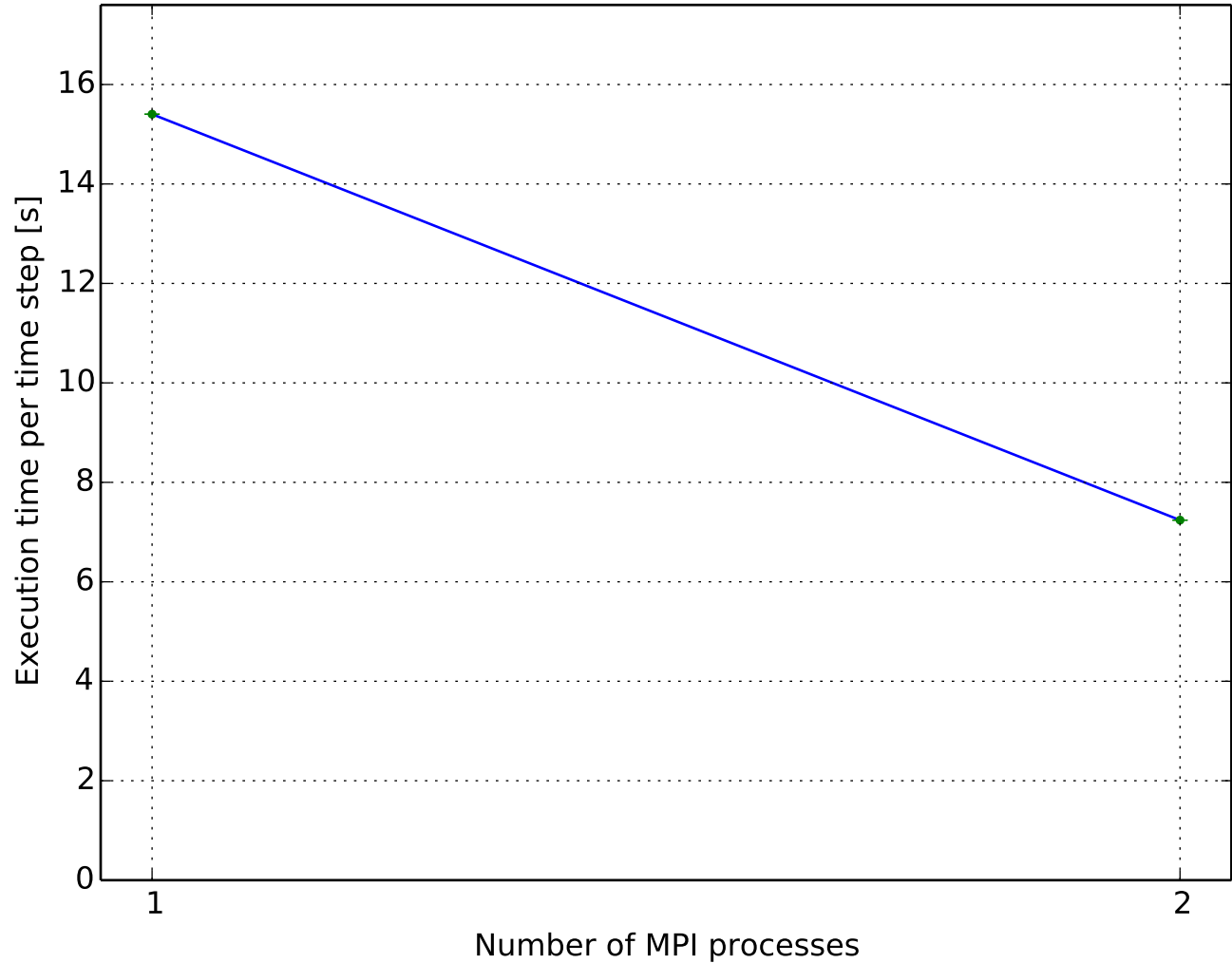
Speedup ratio
(0.3744M cells, Smagorinsky ,PCG-FDIC)



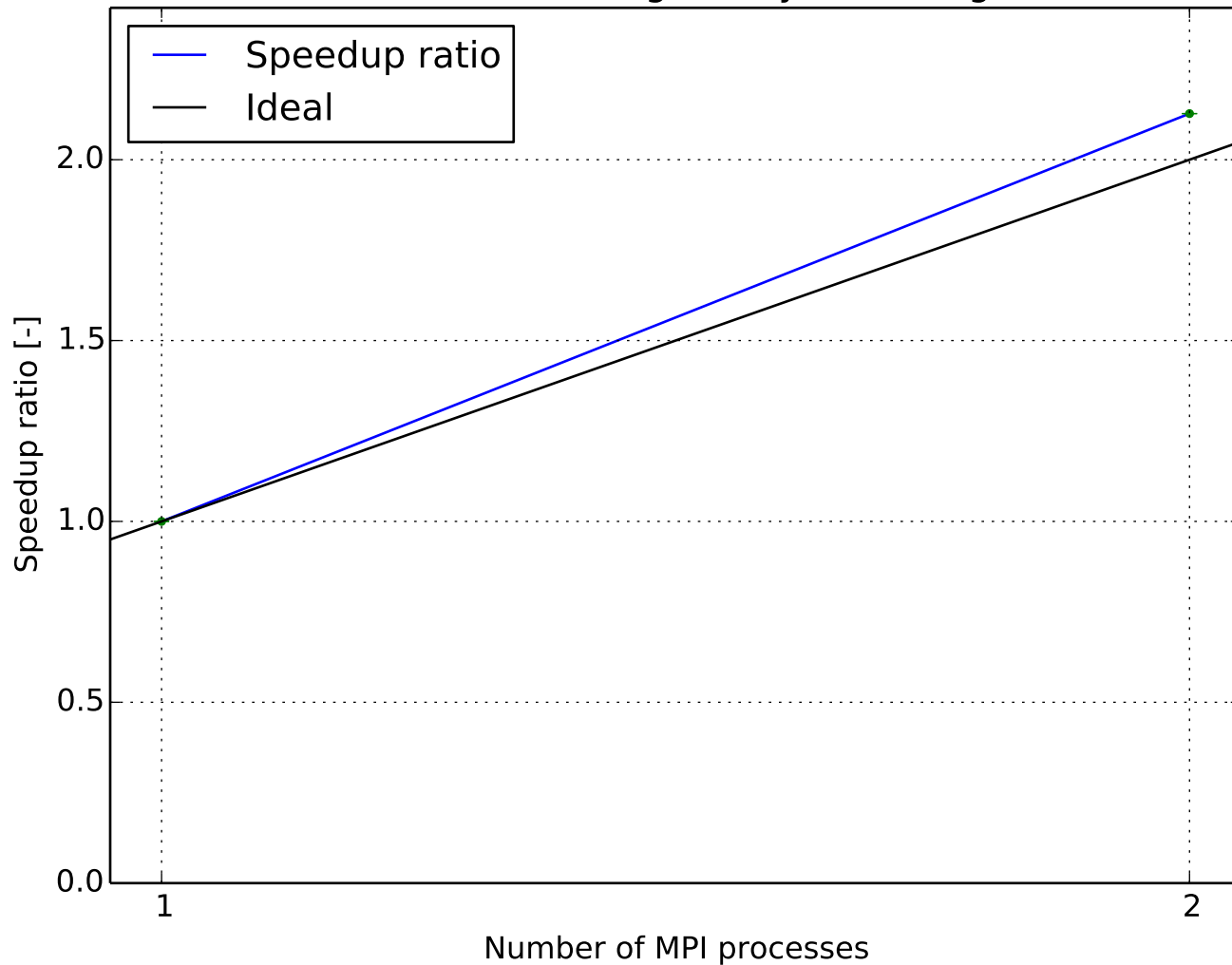
Parallel efficiency
(0.3744M cells, Smagorinsky ,PCG-FDIC)



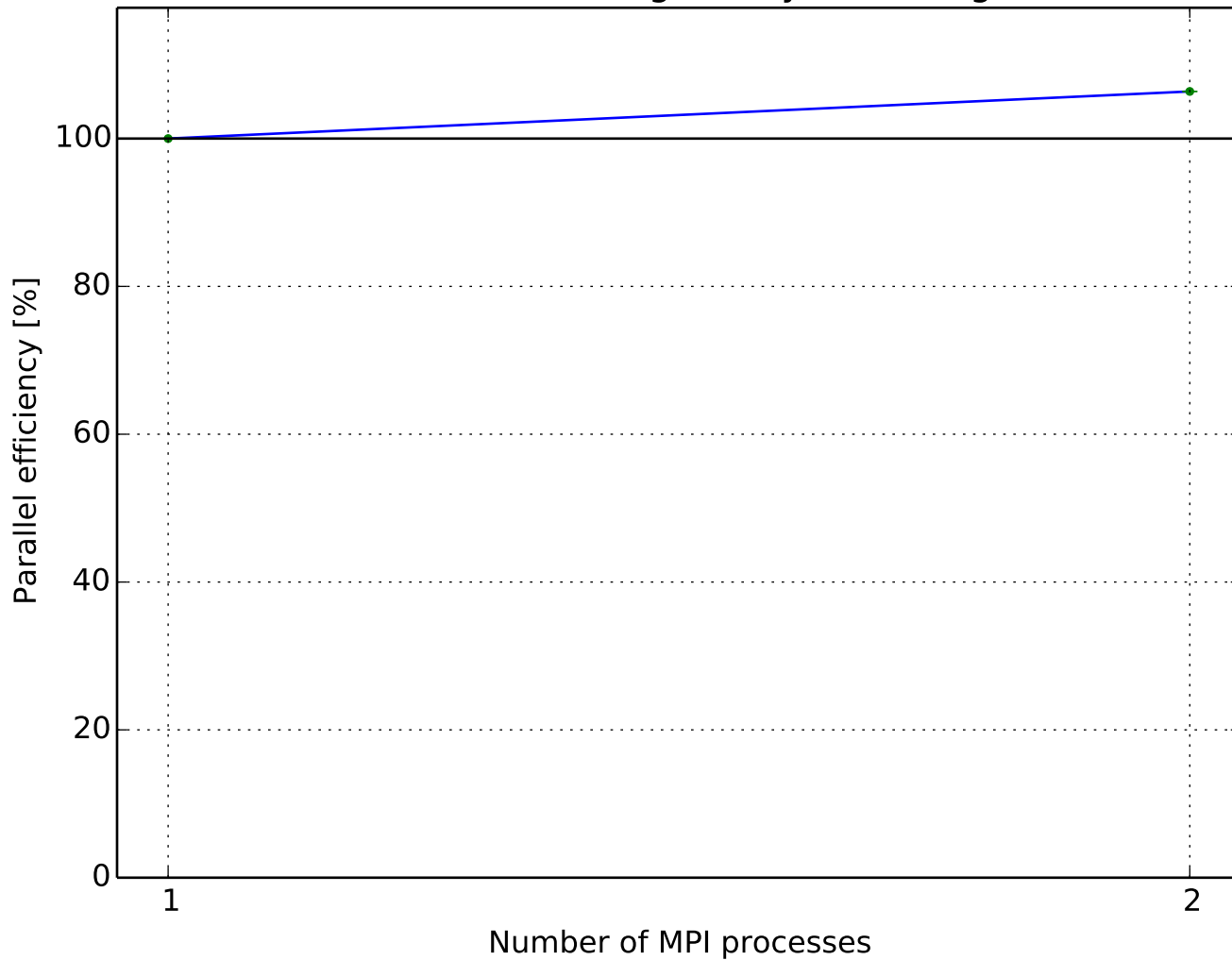
Execution time per time step
(0.3744M cells, Smagorinsky ,PCG-diagonal)



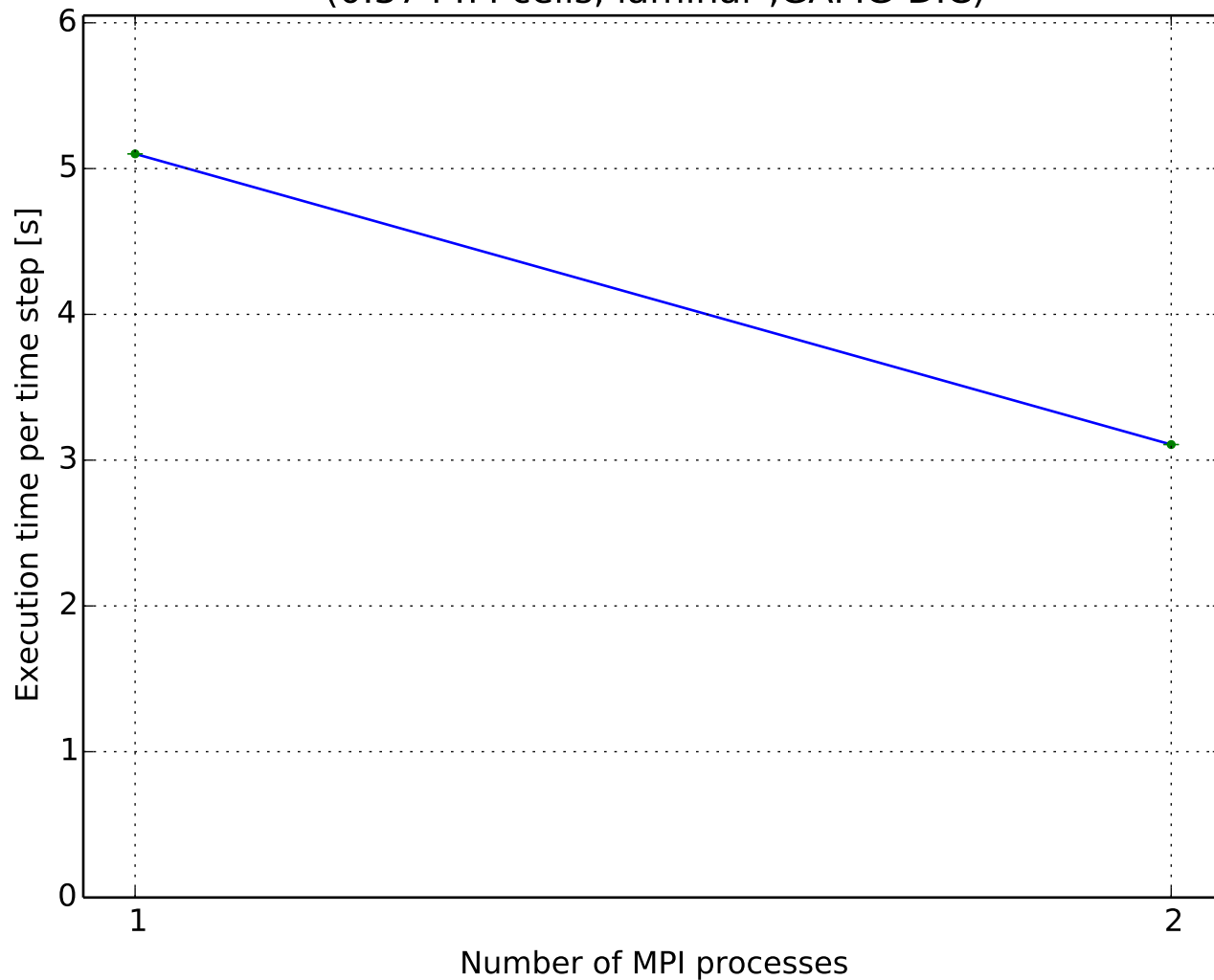
Speedup ratio
(0.3744M cells, Smagorinsky ,PCG-diagonal)



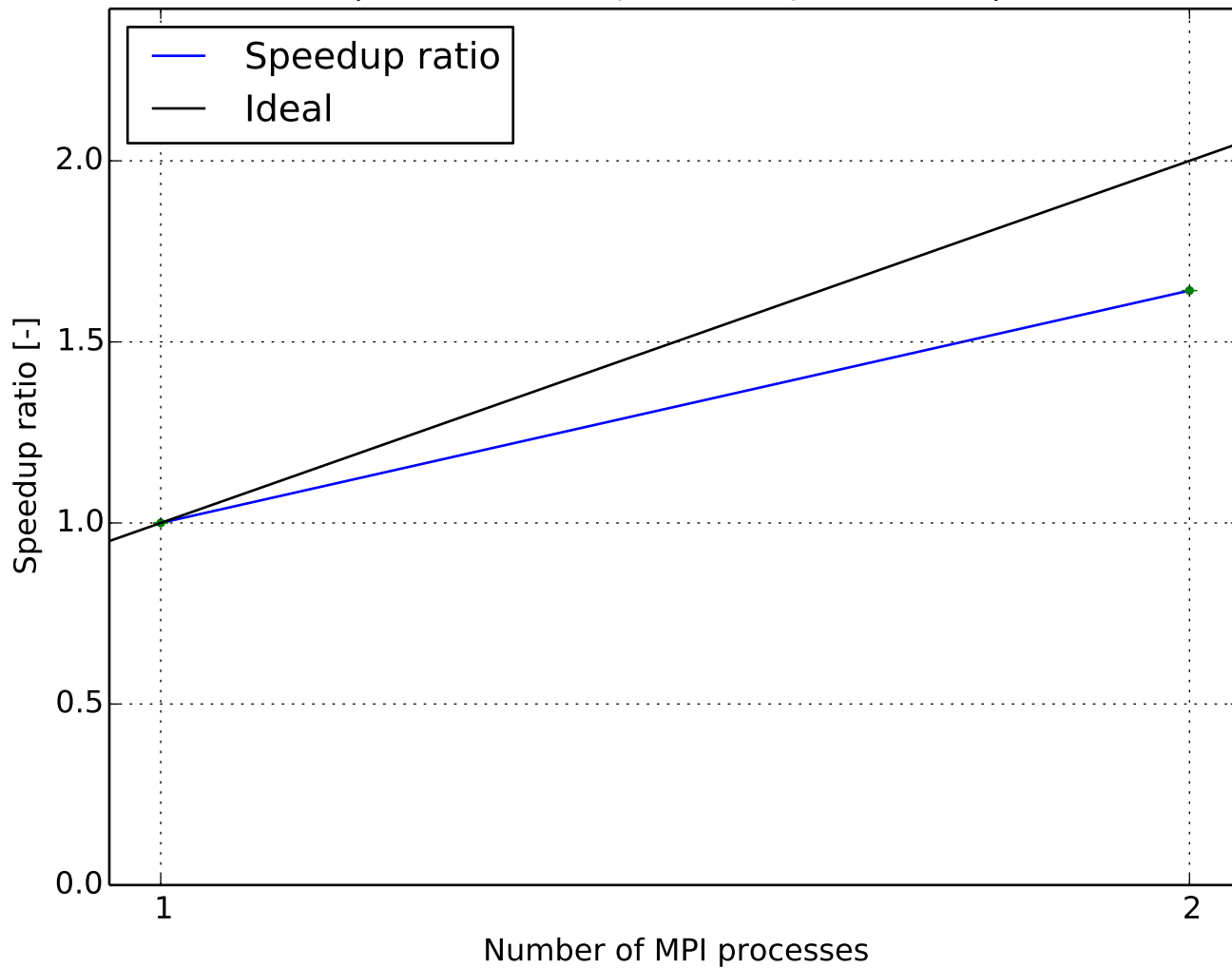
Parallel efficiency
(0.3744M cells, Smagorinsky ,PCG-diagonal)



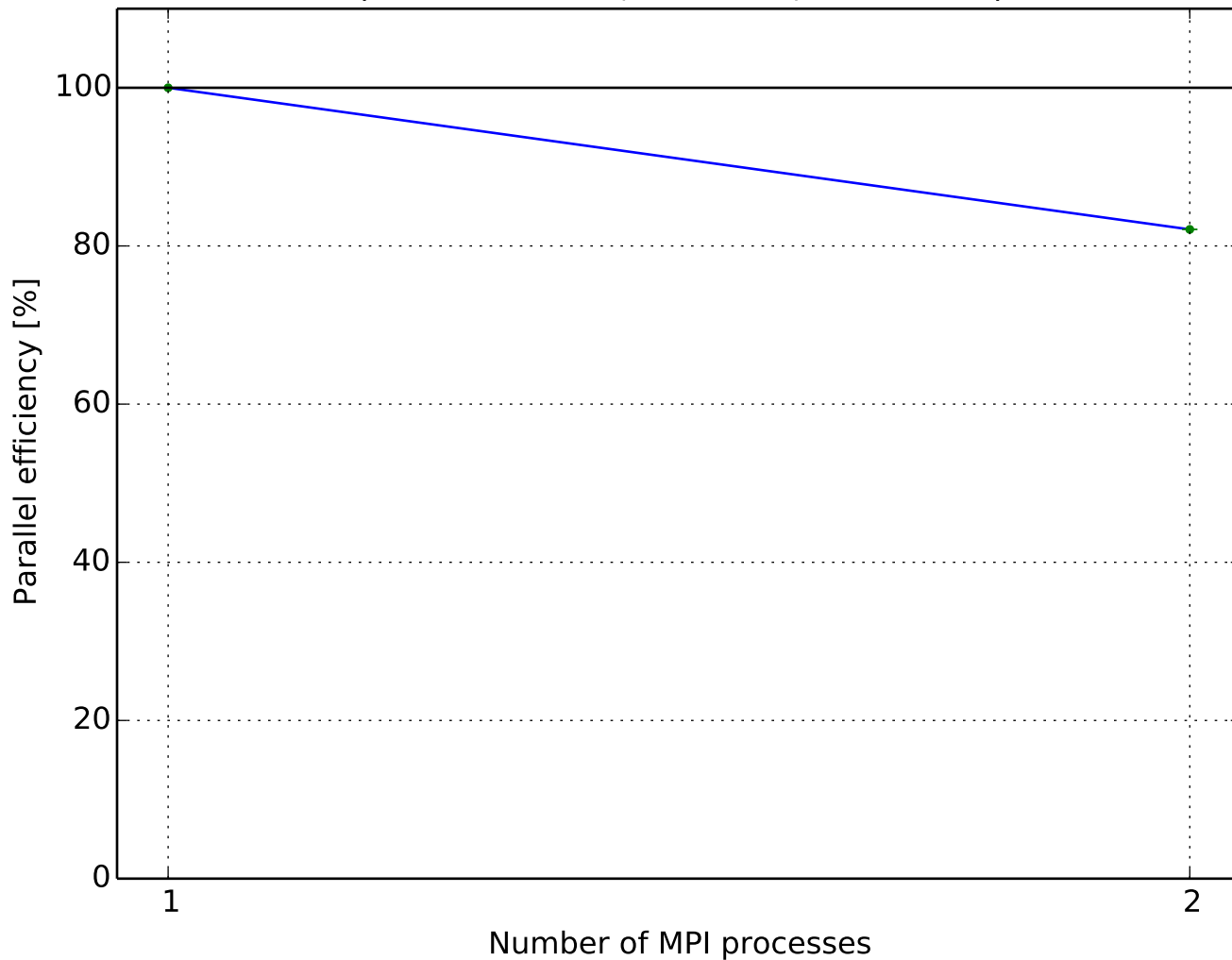
Execution time per time step
(0.3744M cells, laminar ,GAMG-DIC)



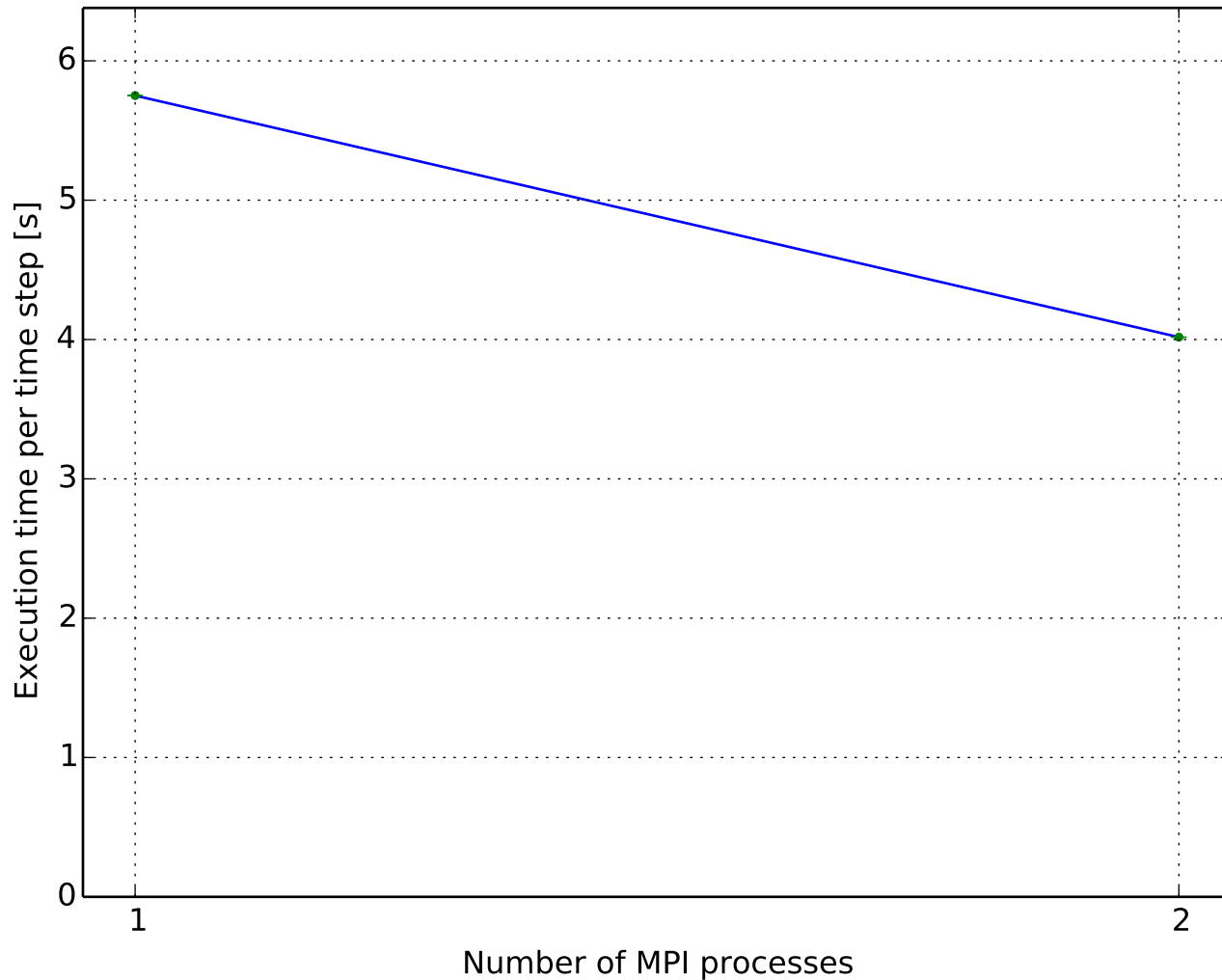
Speedup ratio
(0.3744M cells, laminar ,GAMG-DIC)



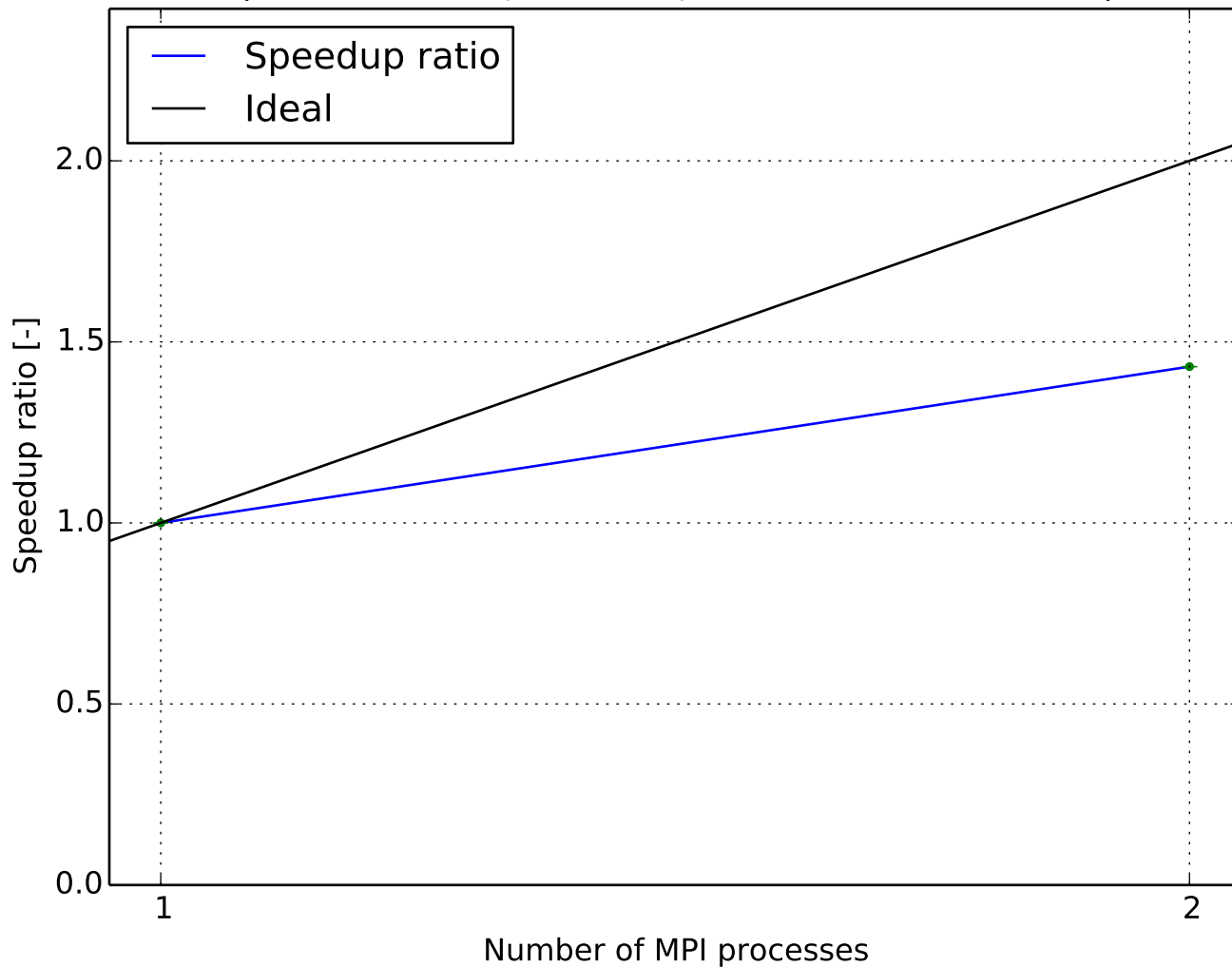
Parallel efficiency
(0.3744M cells, laminar ,GAMG-DIC)



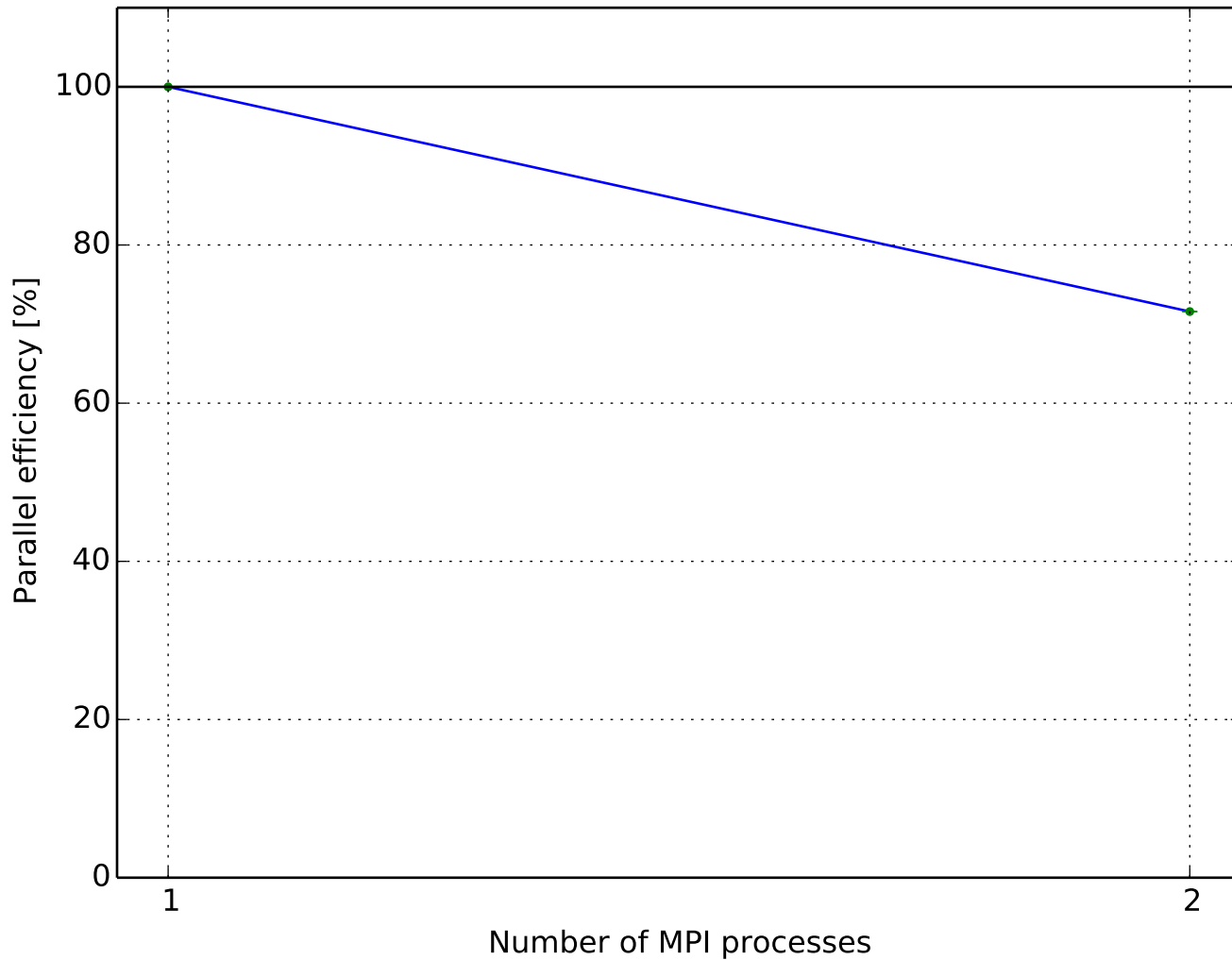
Execution time per time step
(0.3744M cells, laminar ,GAMG-DICGaussSeidel)



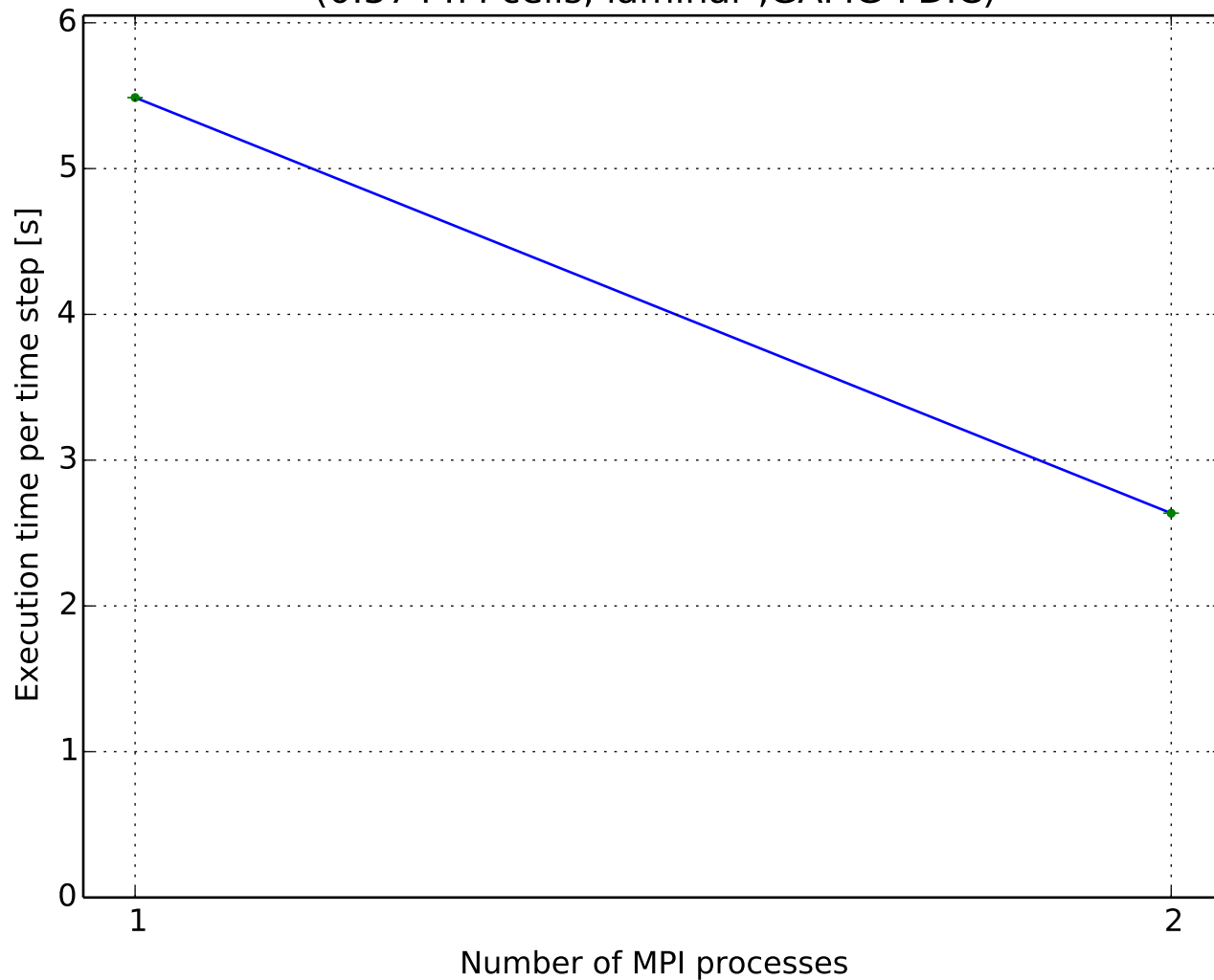
Speedup ratio
(0.3744M cells, laminar ,GAMG-DICGaussSeidel)



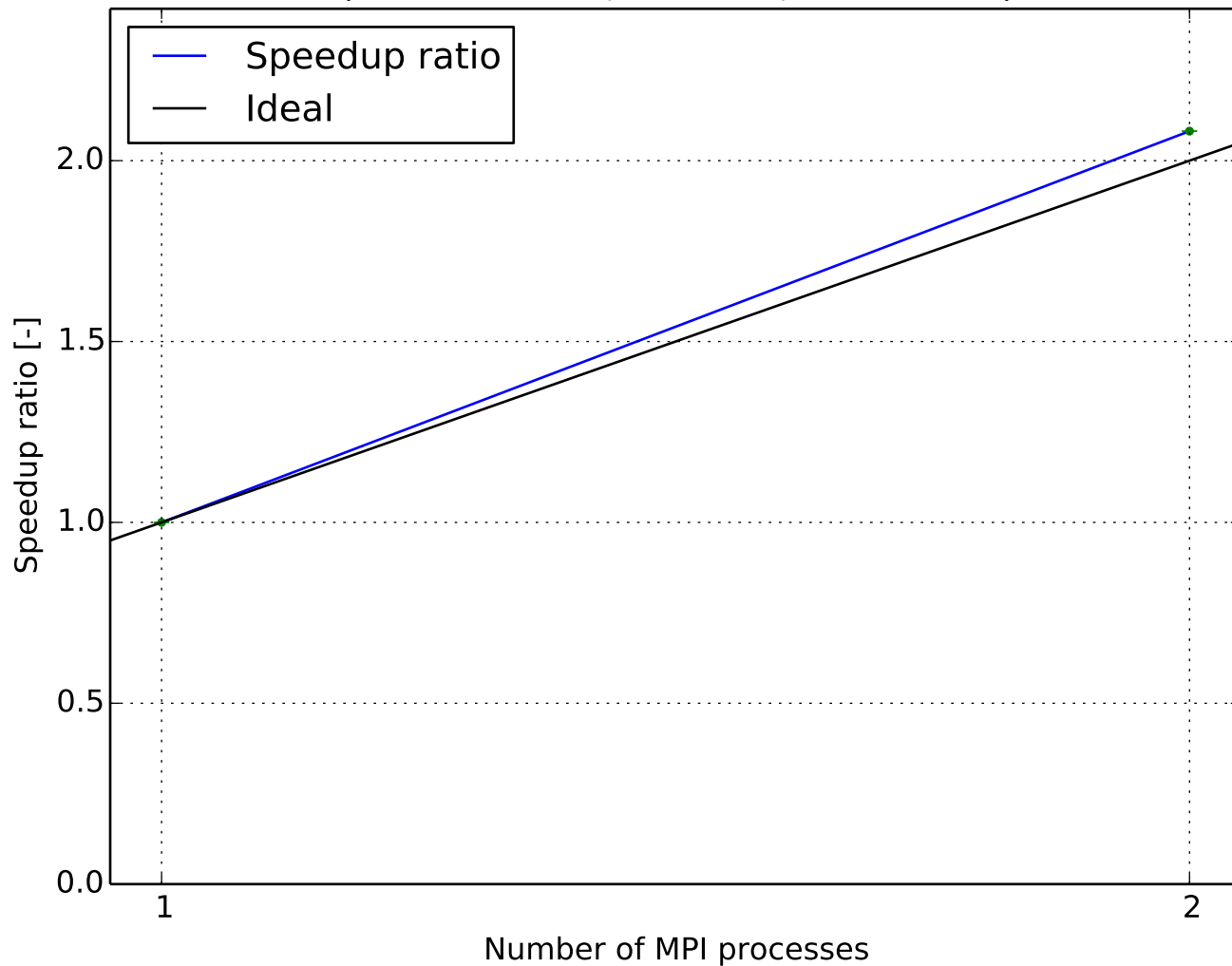
Parallel efficiency
(0.3744M cells, laminar ,GAMG-DICGaussSeidel)



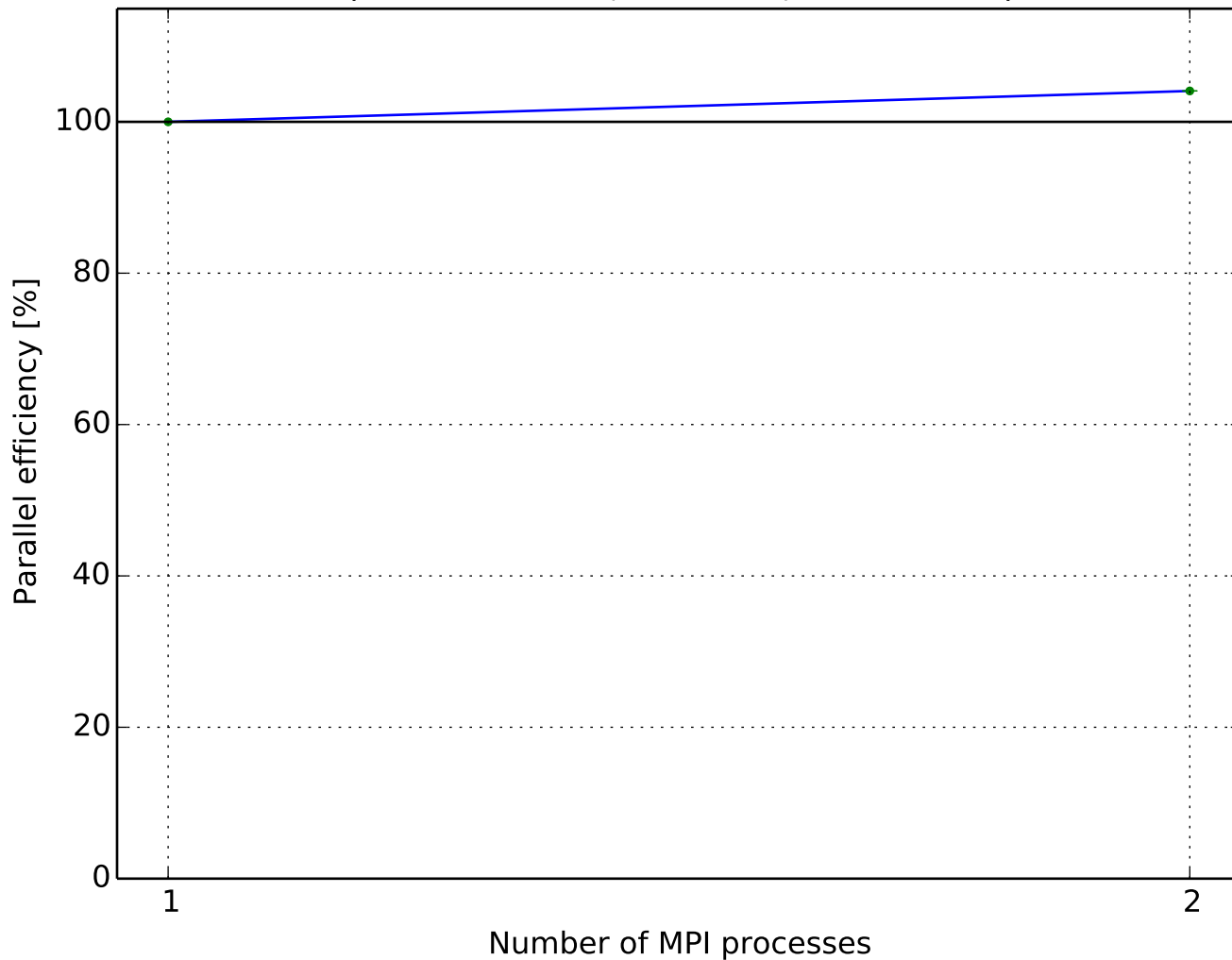
Execution time per time step
(0.3744M cells, laminar ,GAMG-FDIC)



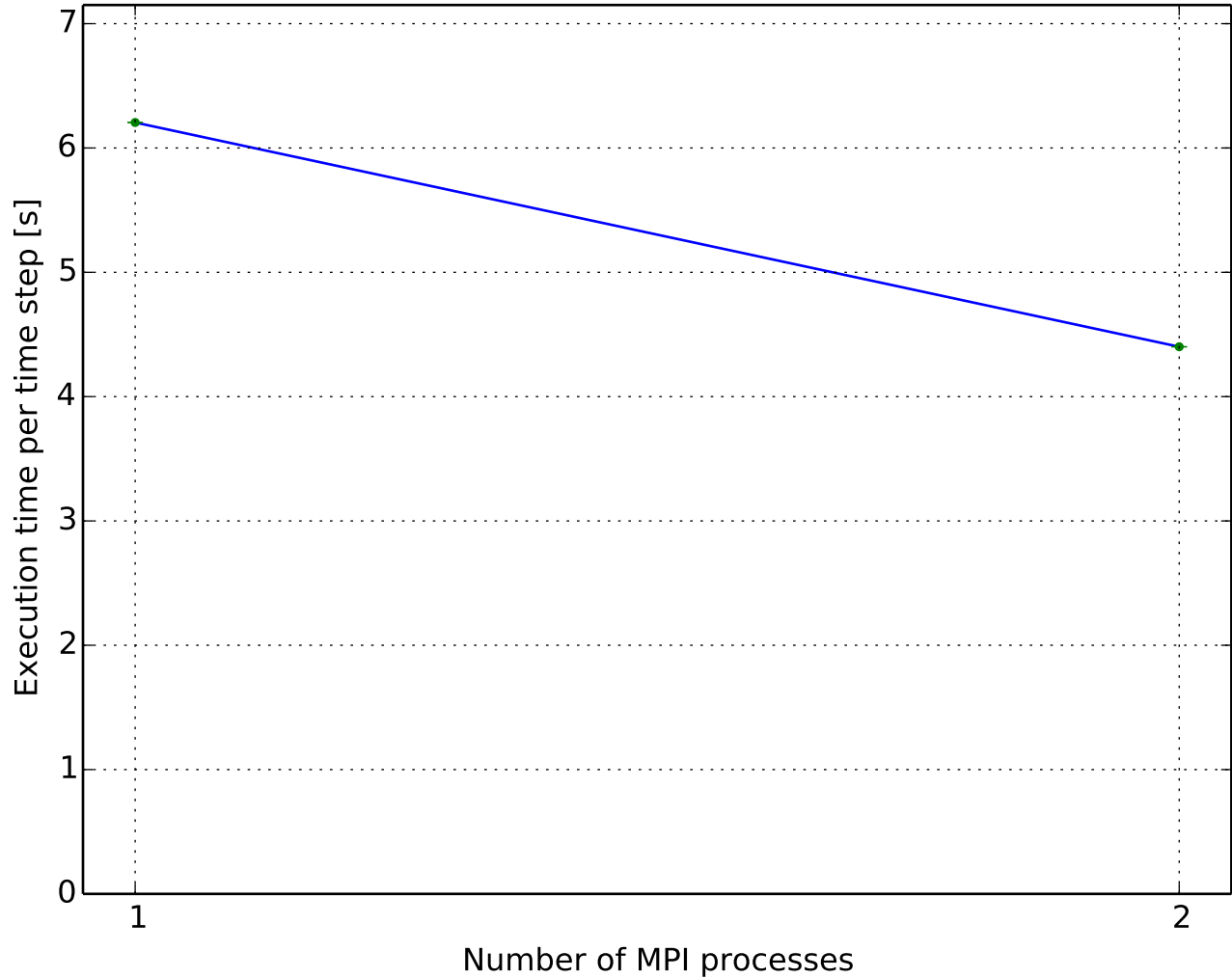
Speedup ratio
(0.3744M cells, laminar ,GAMG-FDIC)



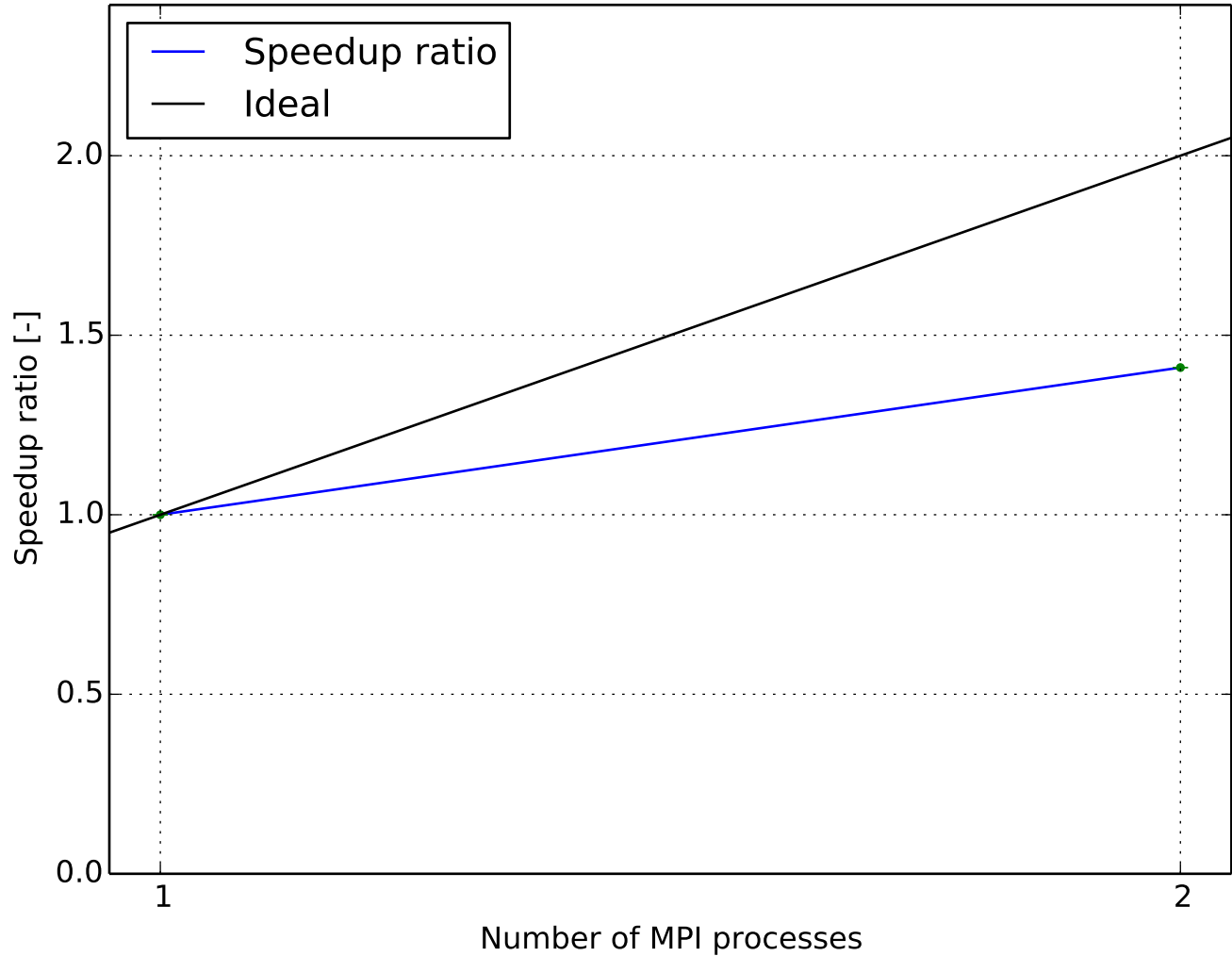
Parallel efficiency
(0.3744M cells, laminar ,GAMG-FDIC)



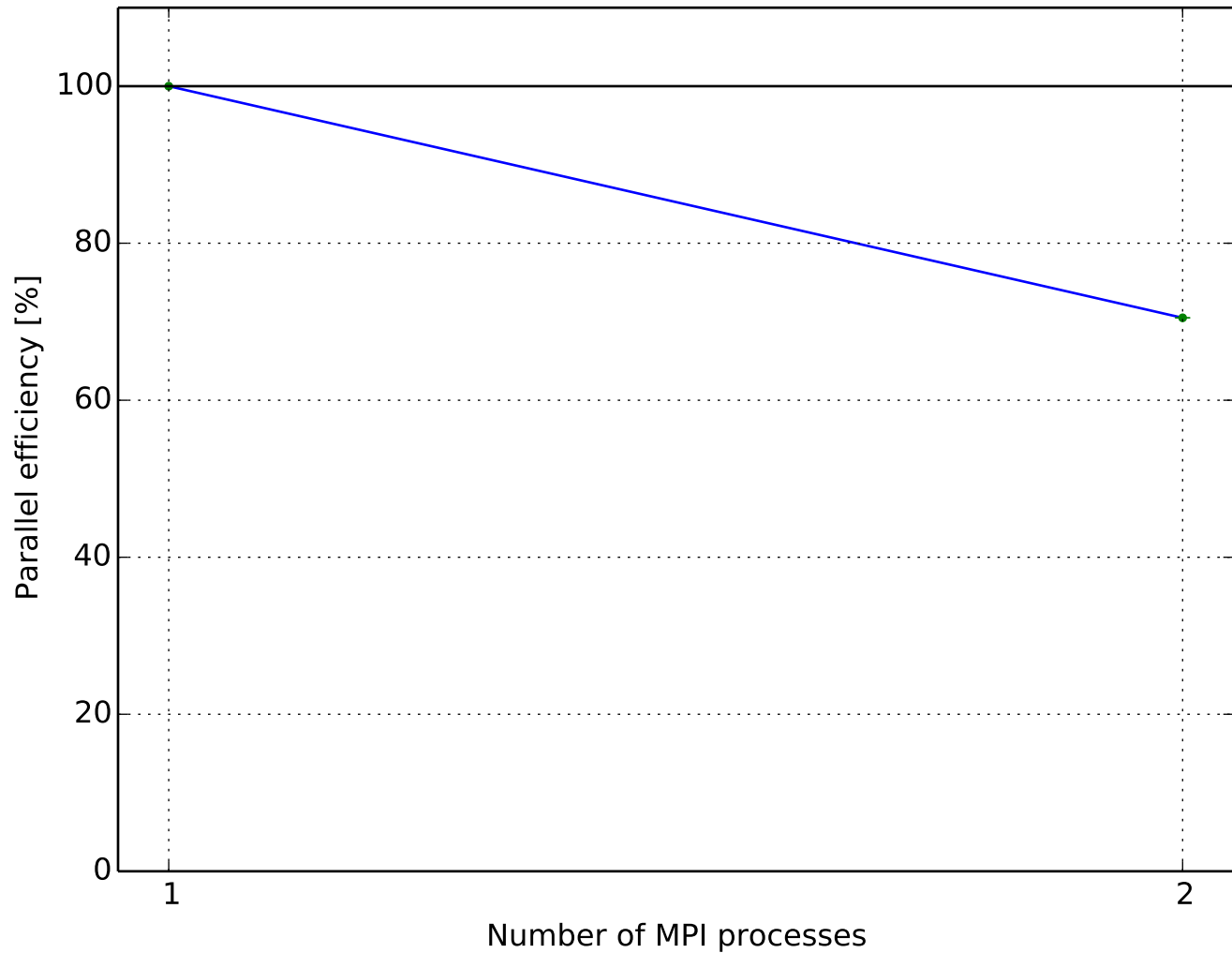
Execution time per time step
(0.3744M cells, laminar ,GAMG-GaussSeidel)



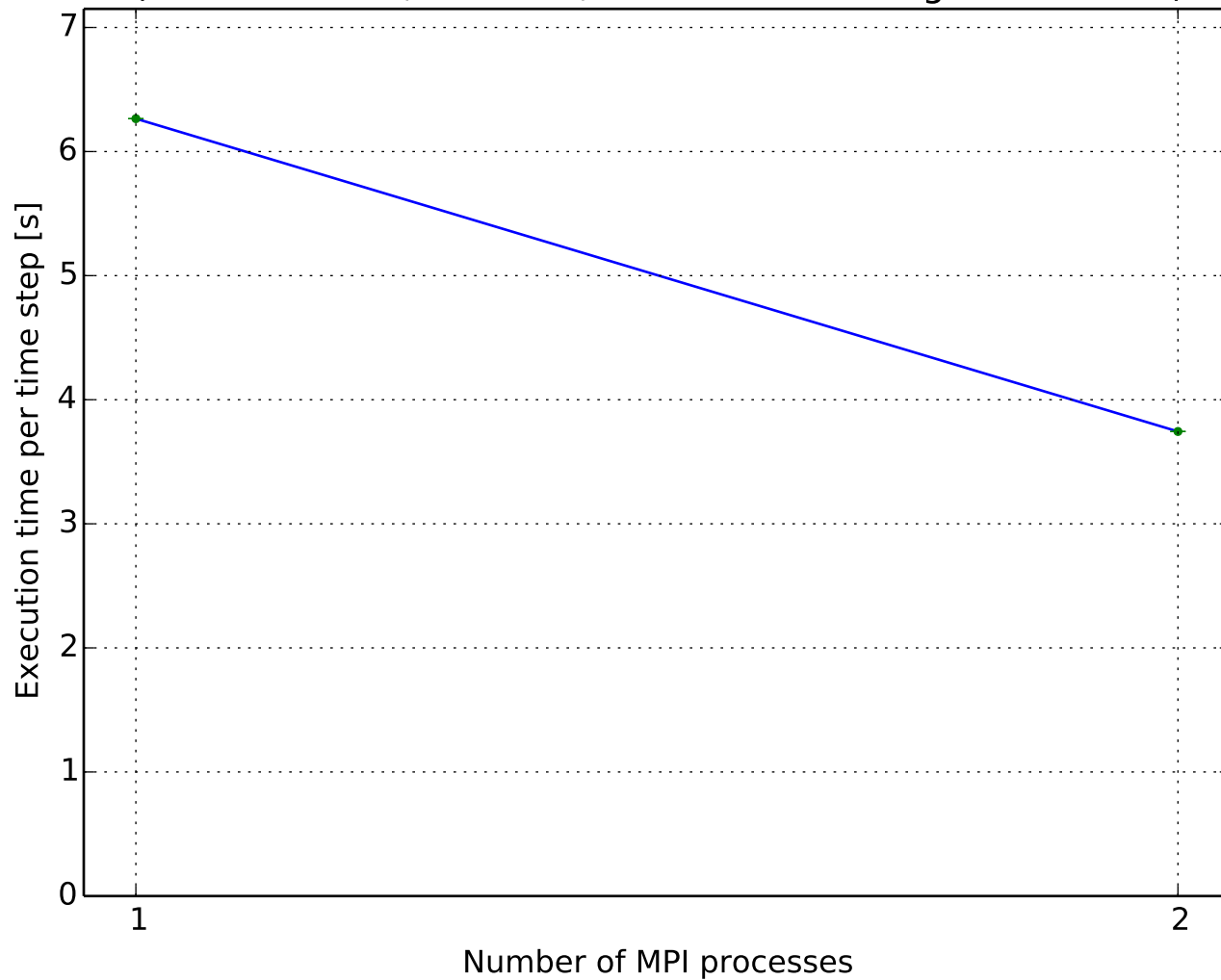
Speedup ratio
(0.3744M cells, laminar ,GAMG-GaussSeidel)



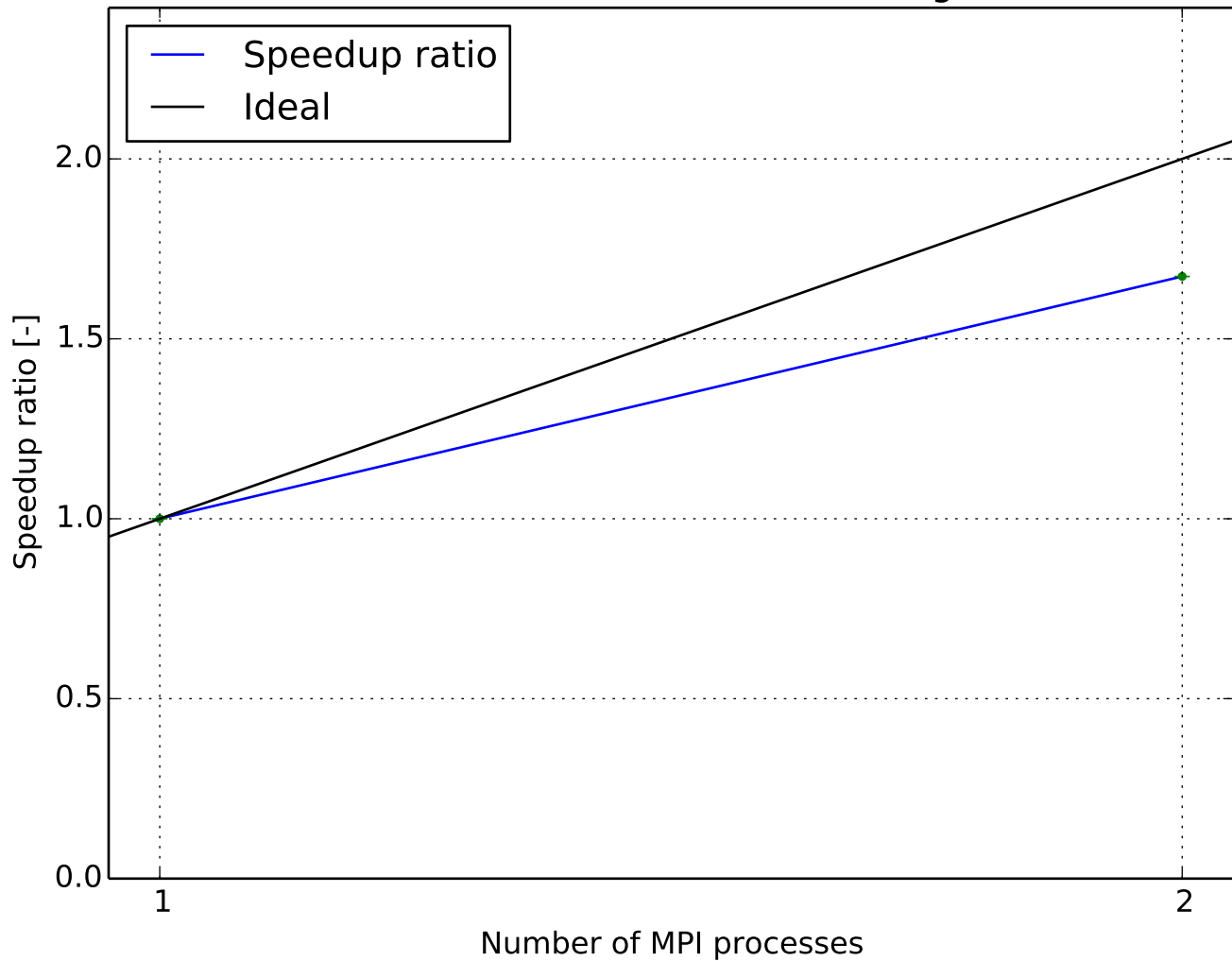
Parallel efficiency
(0.3744M cells, laminar ,GAMG-GaussSeidel)



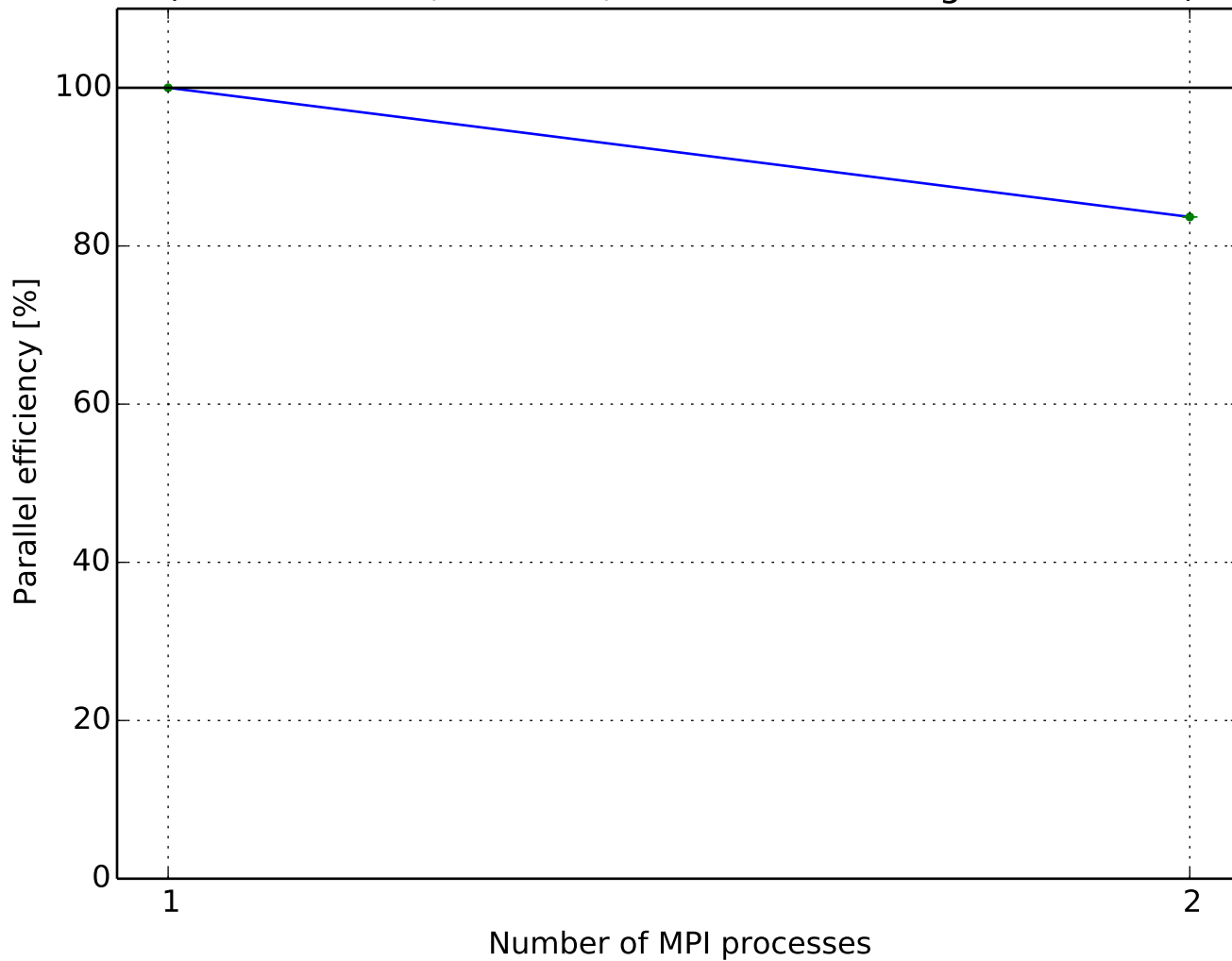
Execution time per time step
(0.3744M cells, laminar ,GAMG-nonBlockingGaussSeidel)



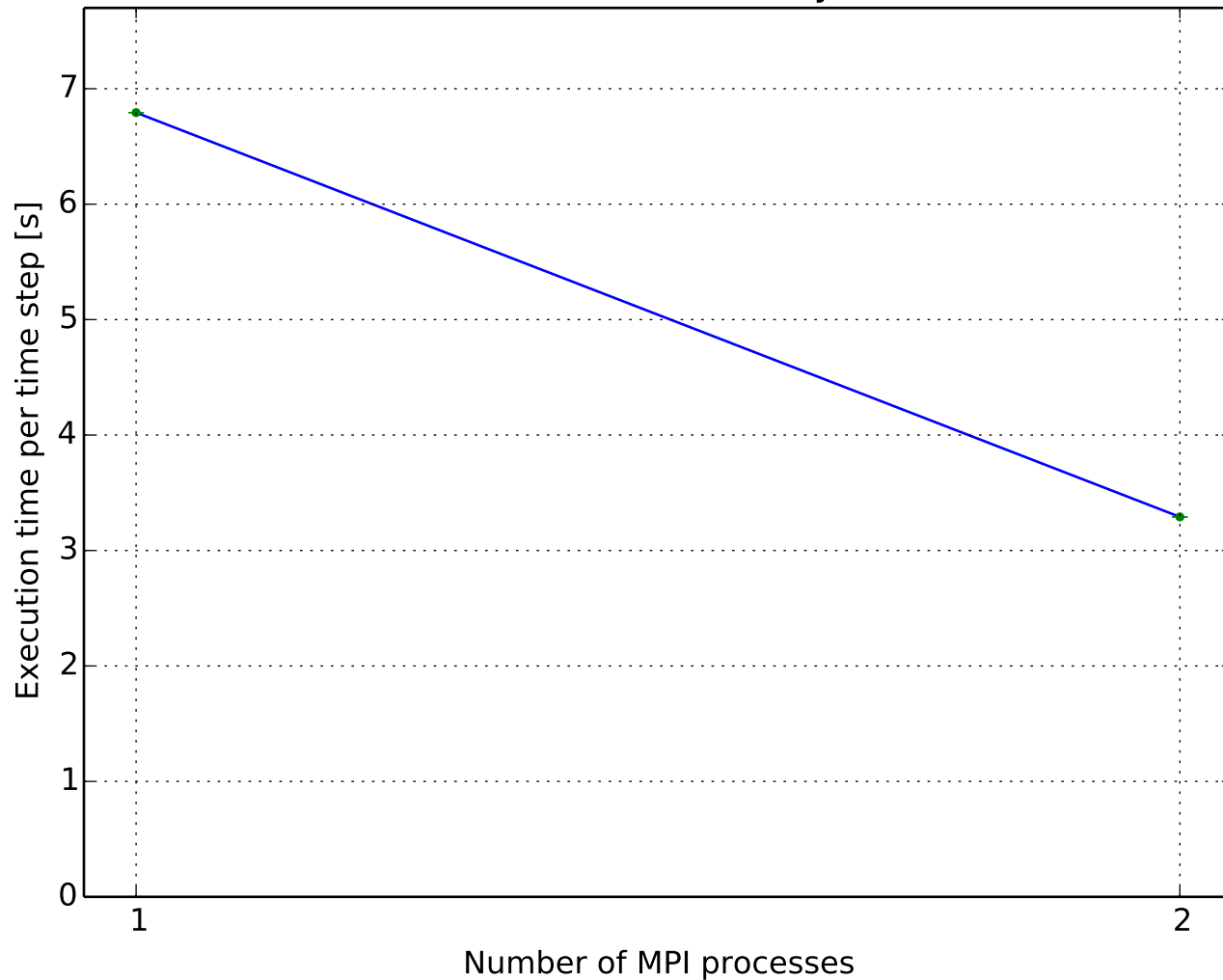
Speedup ratio
(0.3744M cells, laminar ,GAMG-nonBlockingGaussSeidel)



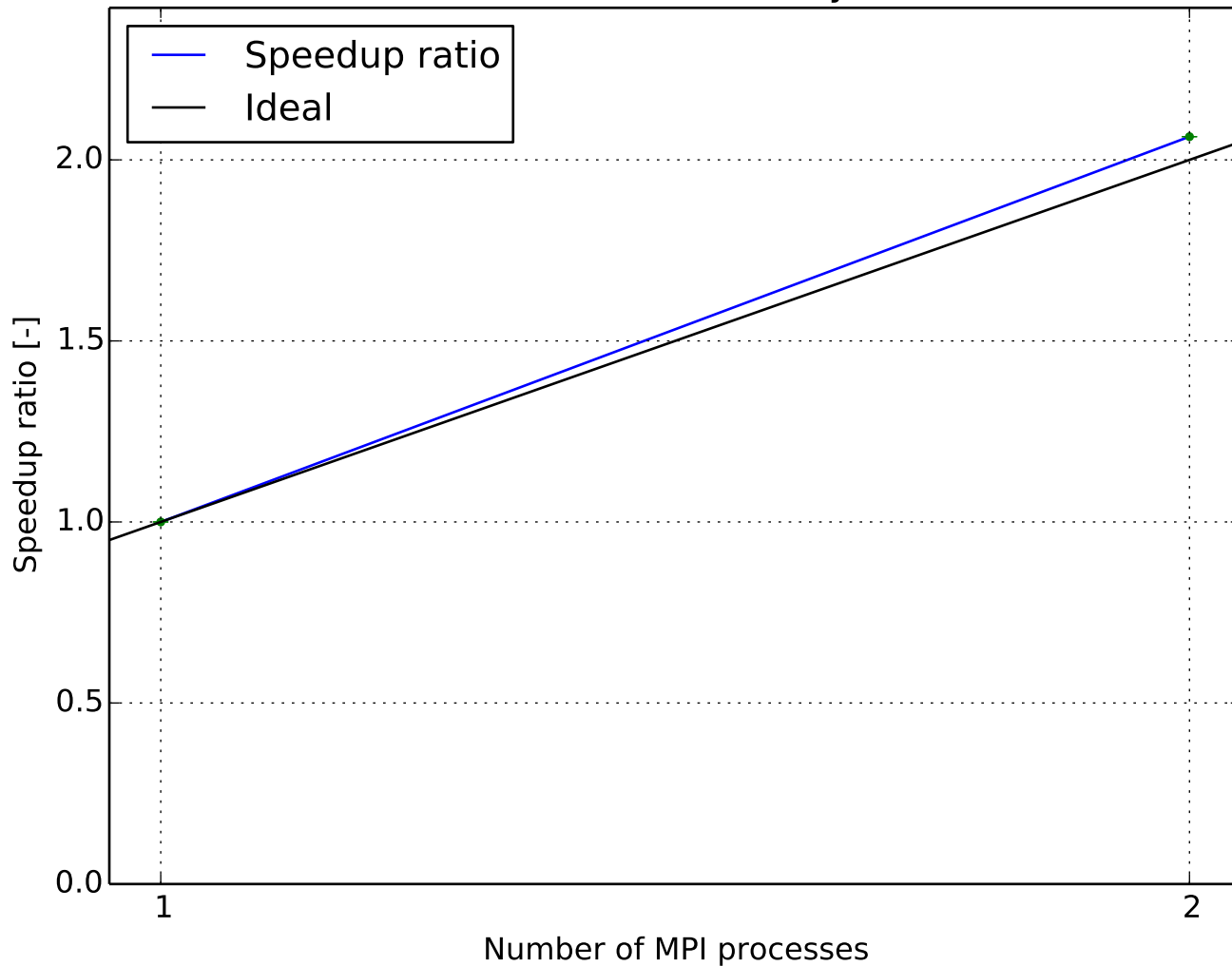
Parallel efficiency
(0.3744M cells, laminar ,GAMG-nonBlockingGaussSeidel)



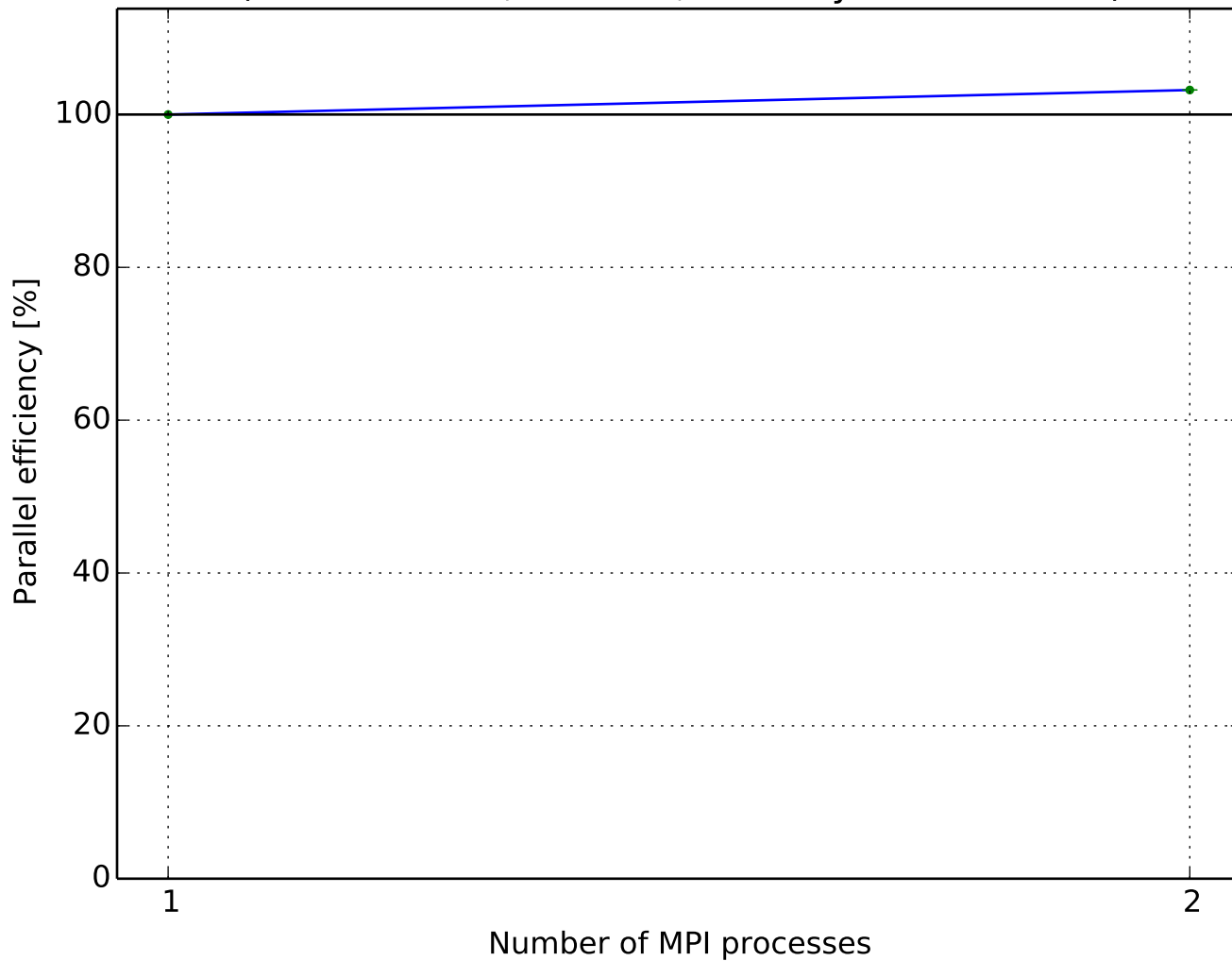
Execution time per time step
(0.3744M cells, laminar ,GAMG-symGaussSeidel)



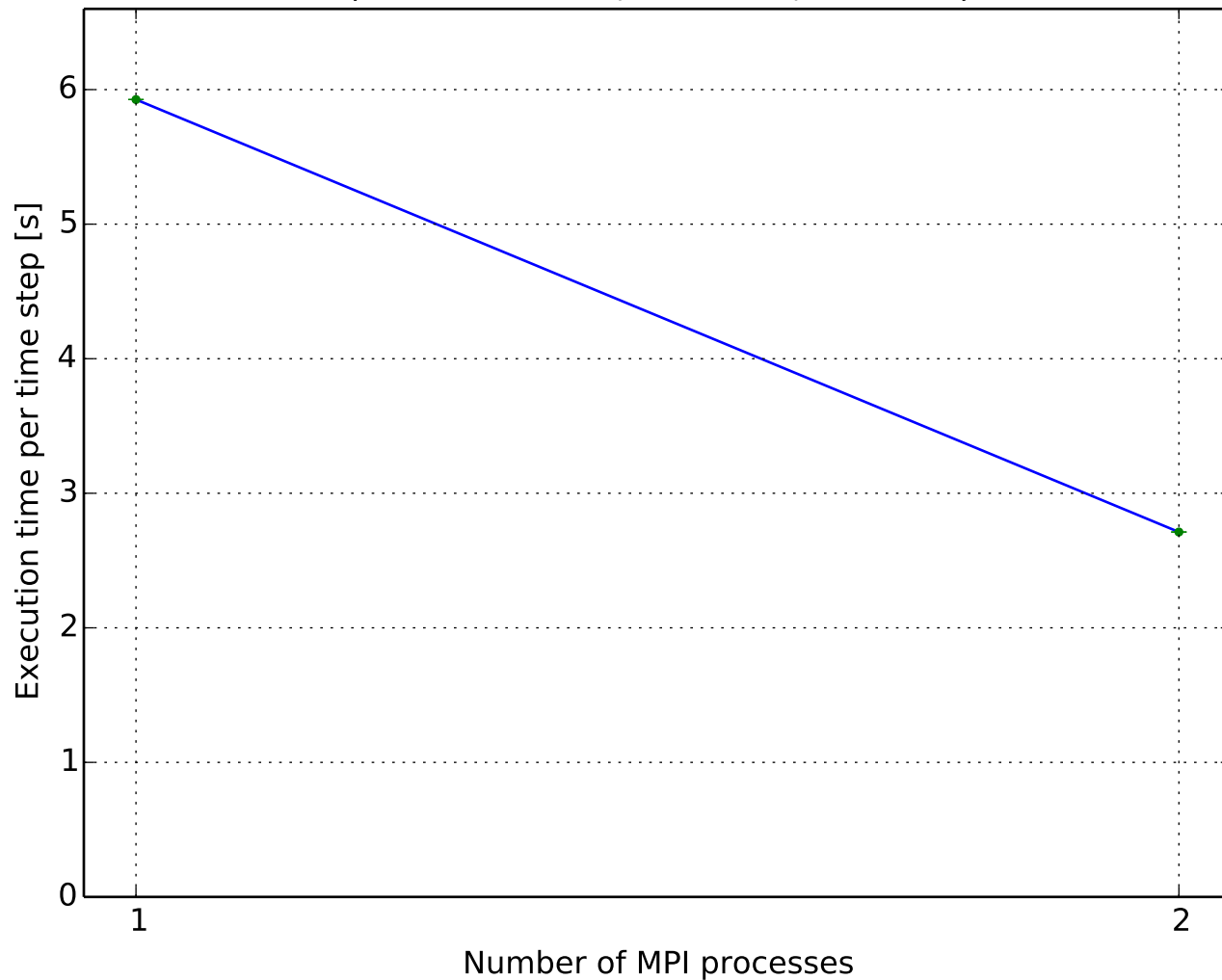
Speedup ratio
(0.3744M cells, laminar ,GAMG-symGaussSeidel)



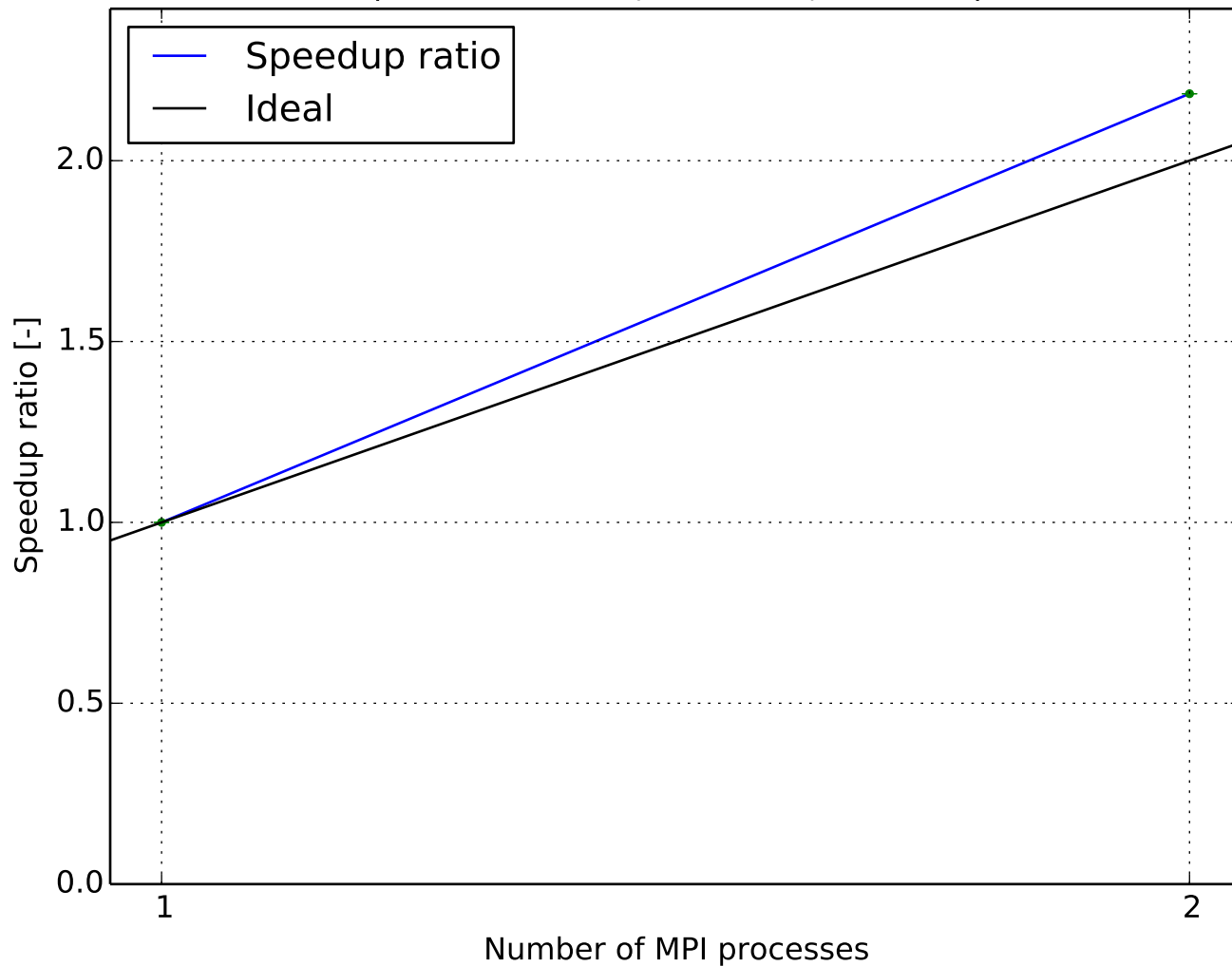
Parallel efficiency
(0.3744M cells, laminar ,GAMG-symGaussSeidel)



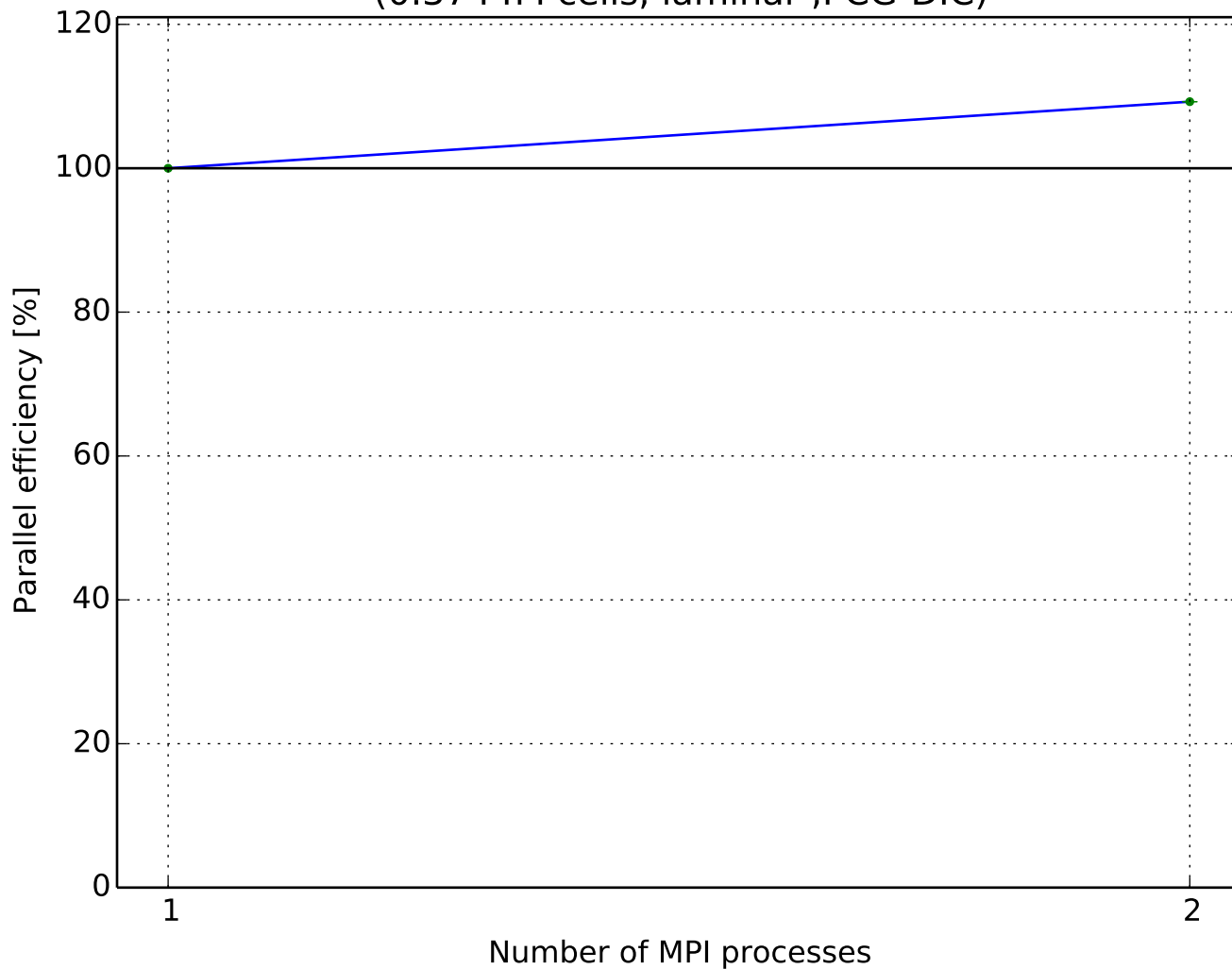
Execution time per time step
(0.3744M cells, laminar ,PCG-DIC)



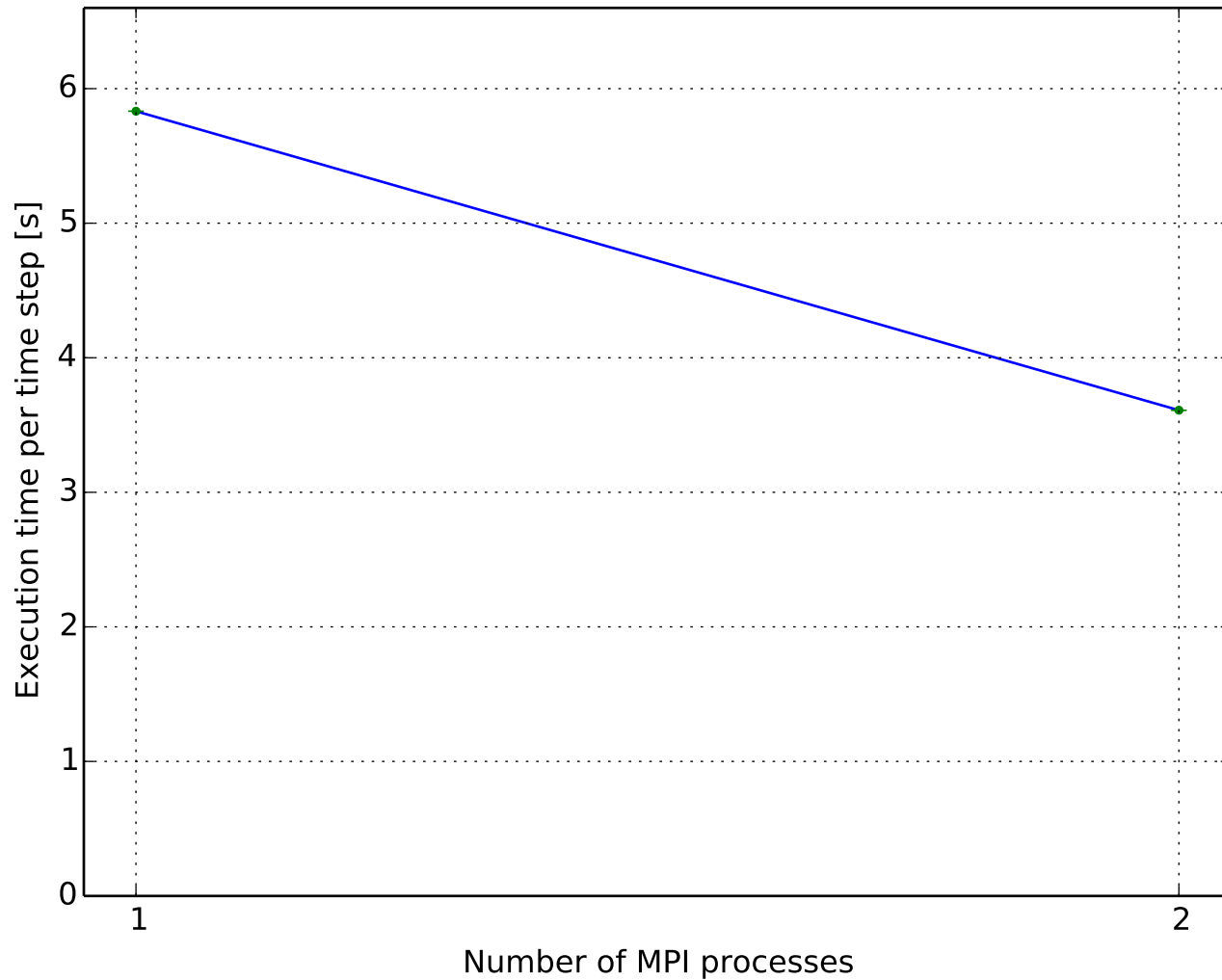
Speedup ratio
(0.3744M cells, laminar ,PCG-DIC)



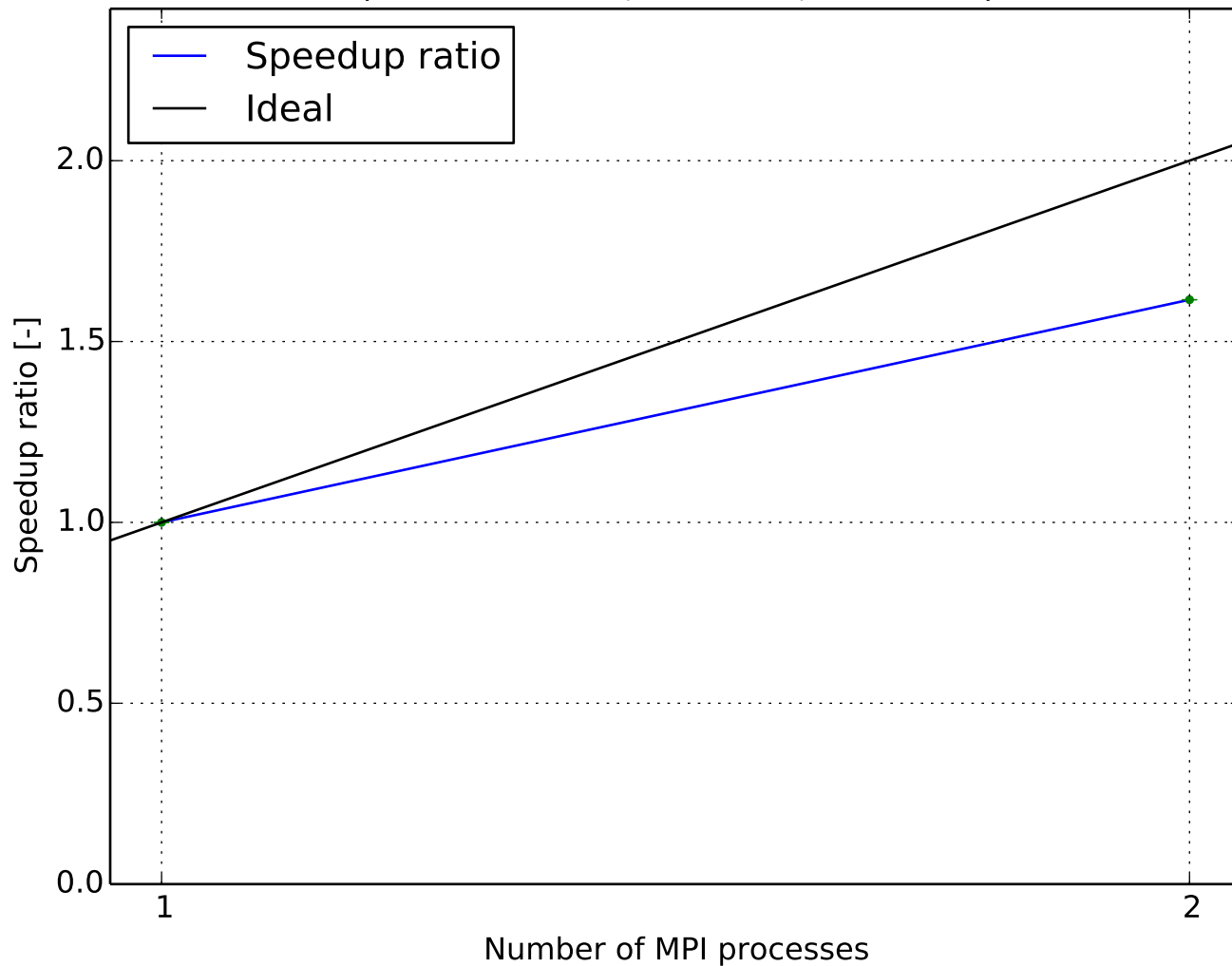
Parallel efficiency
(0.3744M cells, laminar ,PCG-DIC)



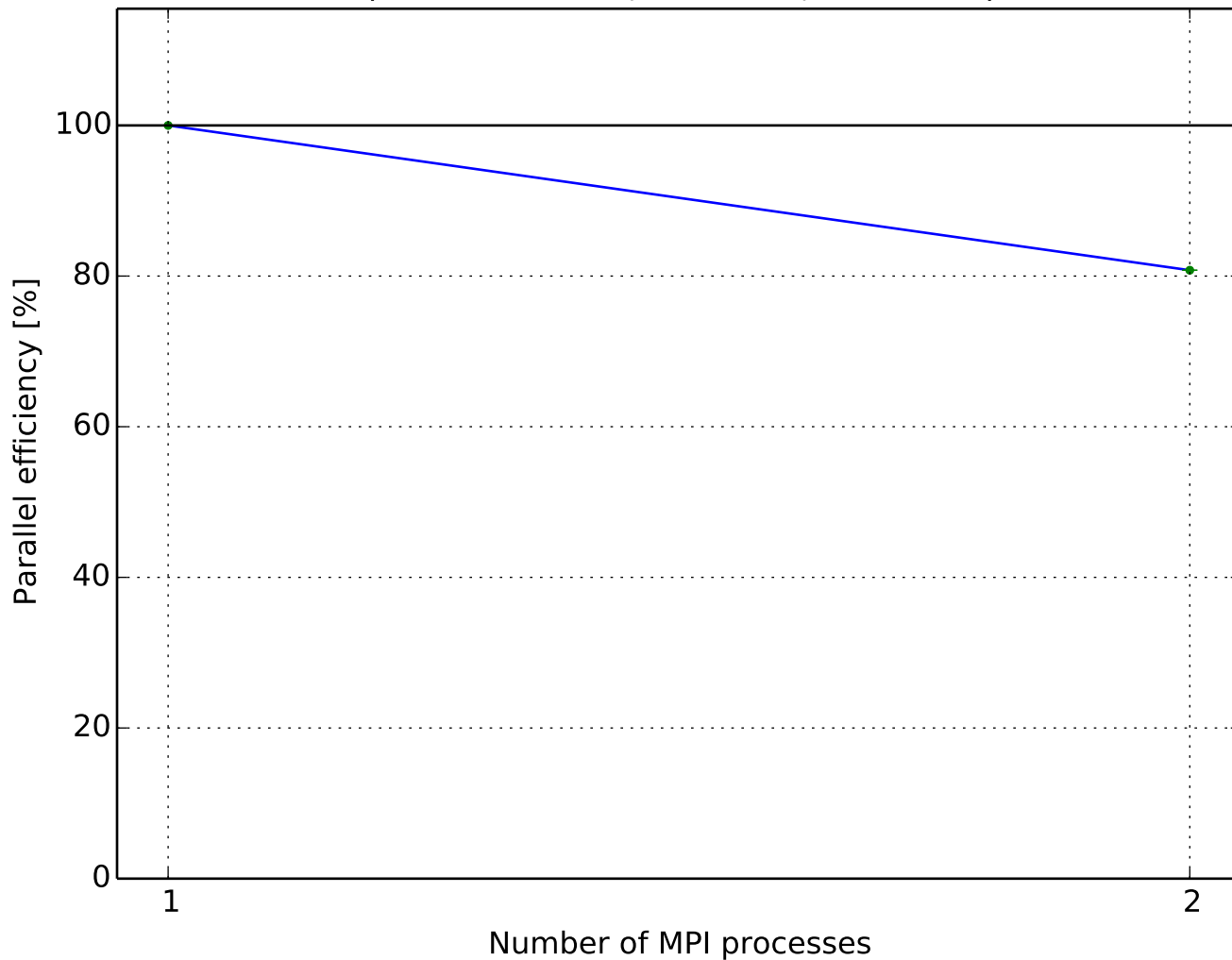
Execution time per time step
(0.3744M cells, laminar ,PCG-FDIC)



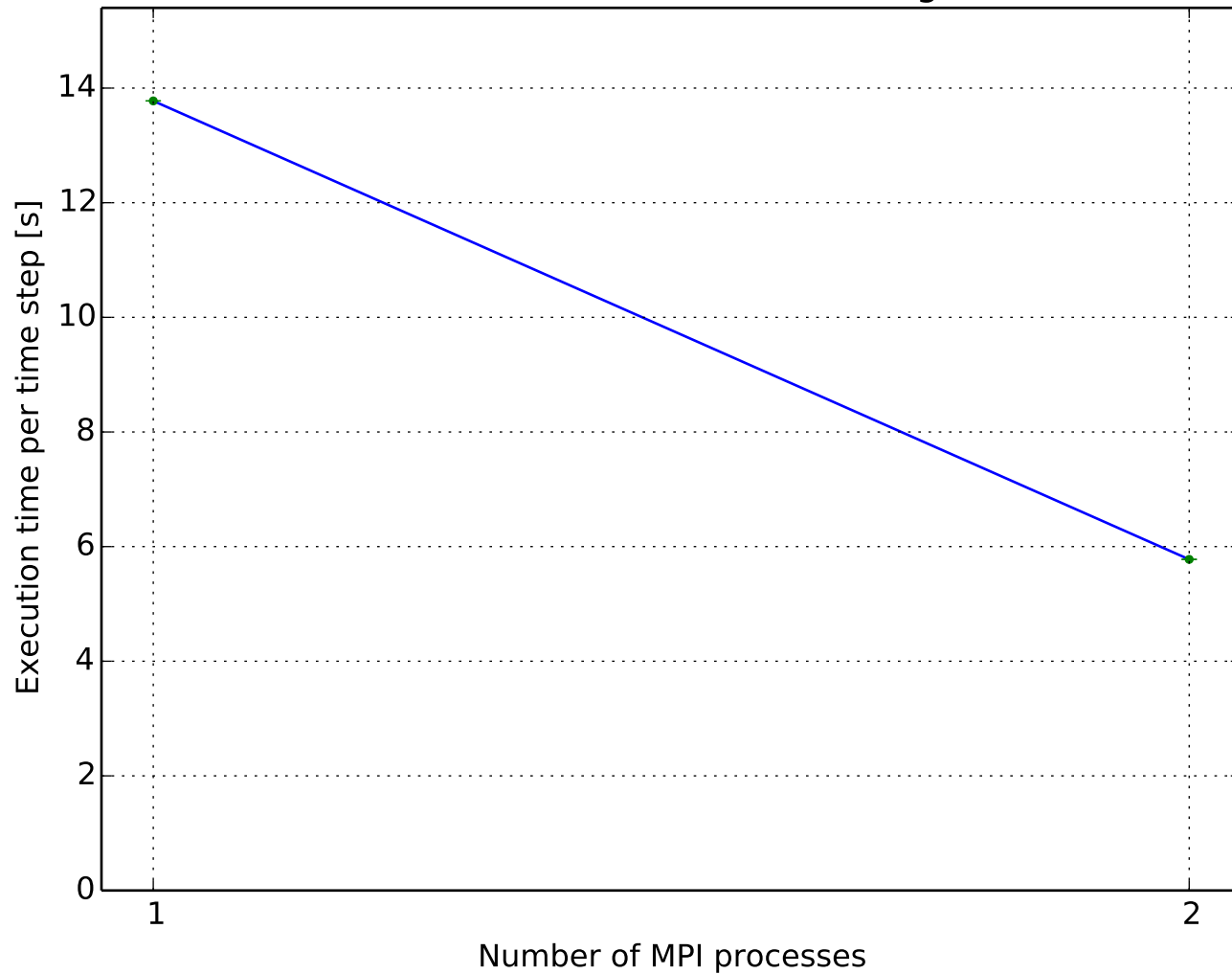
Speedup ratio
(0.3744M cells, laminar ,PCG-FDIC)



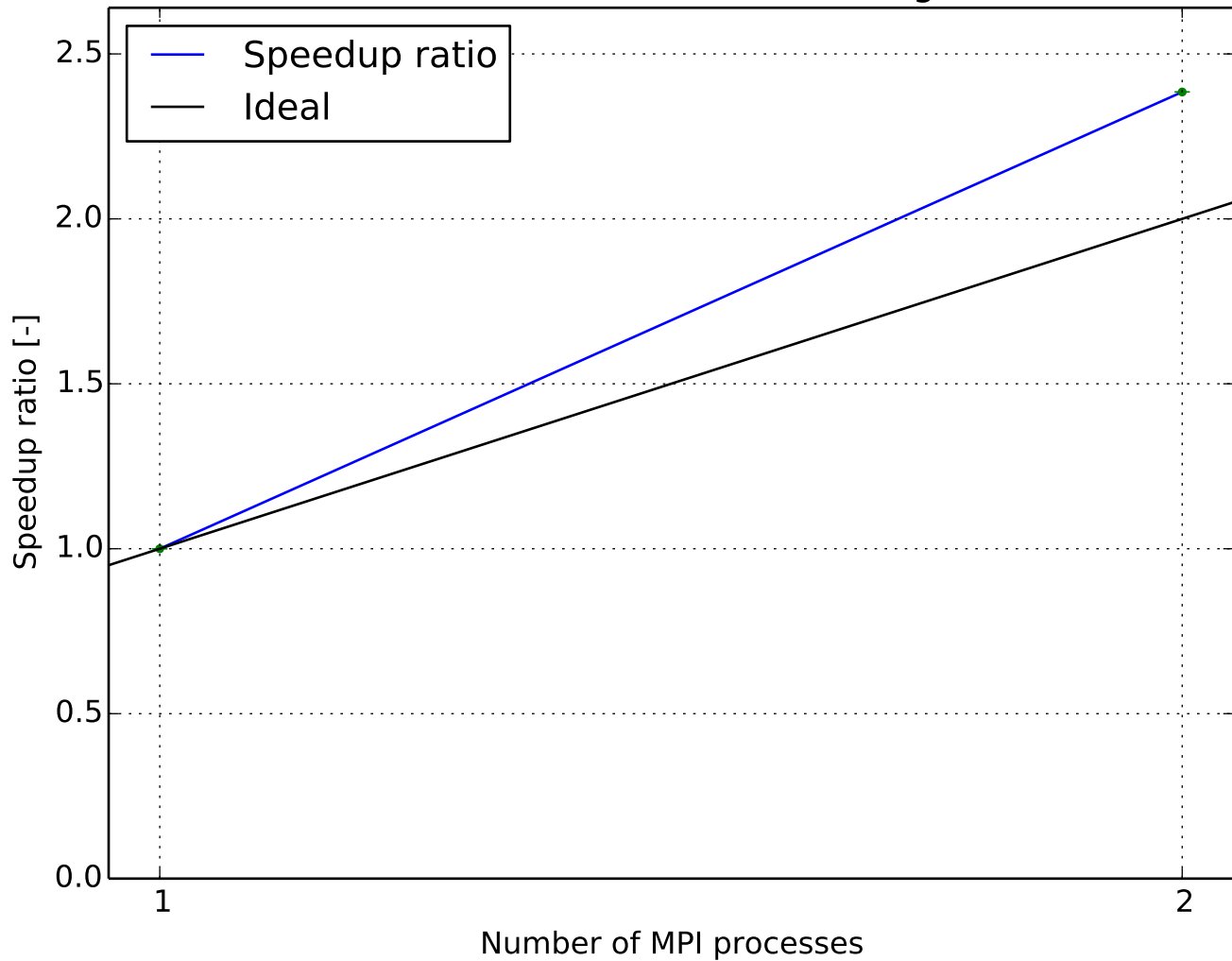
Parallel efficiency
(0.3744M cells, laminar ,PCG-FDIC)



Execution time per time step
(0.3744M cells, laminar ,PCG-diagonal)



Speedup ratio
(0.3744M cells, laminar ,PCG-diagonal)



Parallel efficiency
(0.3744M cells, laminar ,PCG-diagonal)

