N = 1089 = 33 x 33 nodes, Nx = Ny = 32

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 2 | 4 | 8 | 16 | 32 | 64 | 128 | 256 | 512 | 1024 | 2048 | 4096 |
| Q | 0.321369 | 0.0982261 | 0.0373951 | 0.0225755 | 0.0190623 | 0.0182093 | 0.0179981 | 0.0179454 | 0.0179322 |  |  |  |
| U | 0.208343 | 0.0557345 | 0.016996 | 0.00731414 | 0.00490785 | 0.00430993 | 0.00416085 | 0.00412361 | 0.0041143 |  |  |  |
| Z | 0.00329917 | 0.00100839 | 0.000383897 | 0.00023176 | 0.000195693 | 0.000186936 | 0.000184768 | 0.000184227 | 0.000184092 |  |  |  |

M = 1024 time steps. N = (Nx+1) x (Ny+1)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nx x Ny | 2 x 2 | 4 x 4 | 8 x 8 | 16 x 16 | 32 x 32 | 64 x 64 | 128 x 128 | 256 x 256 |
| Q | 2.10069 | 0.942464 | 0.273516 | 0.0710288 | 0.0179289 |  |  |  |
| U | 0.571099 | 0.22663 | 0.0634405 | 0.016326 | 0.00411198 |  |  |  |
| Z | 0.0215657 | 0.00967532 | 0.00280791 | 0.00072918 | 0.000184058 |  |  |  |