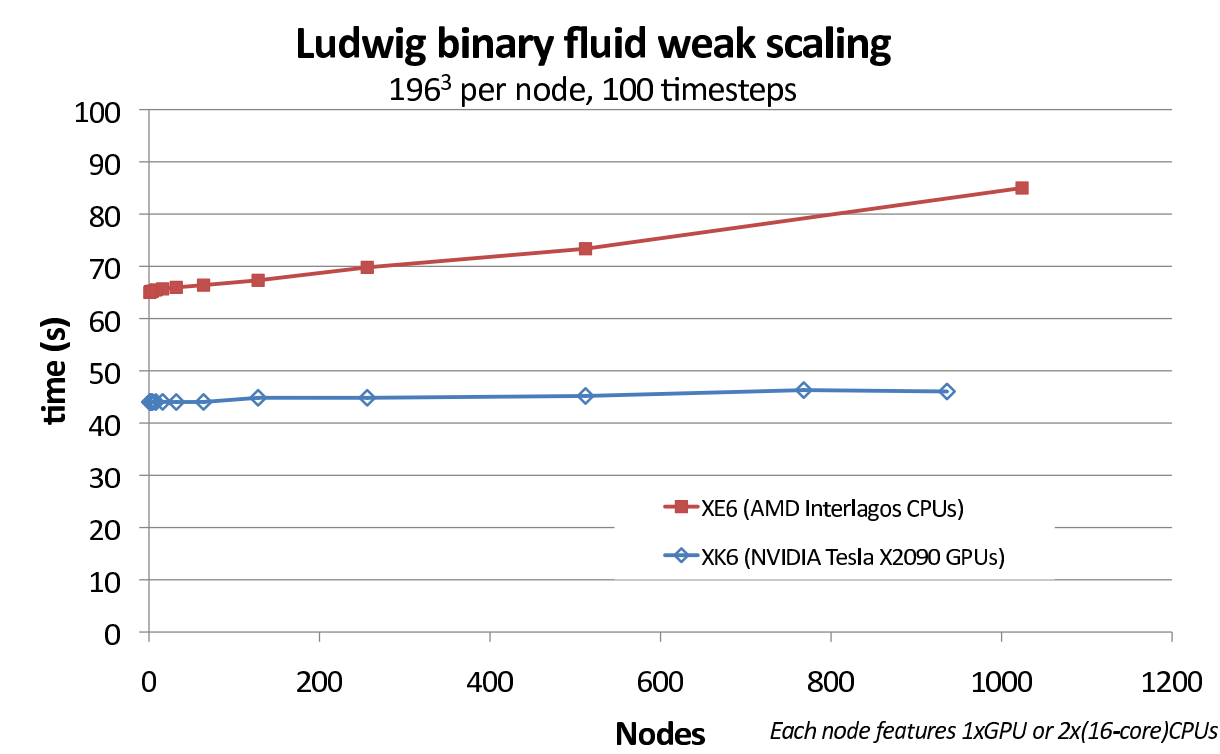
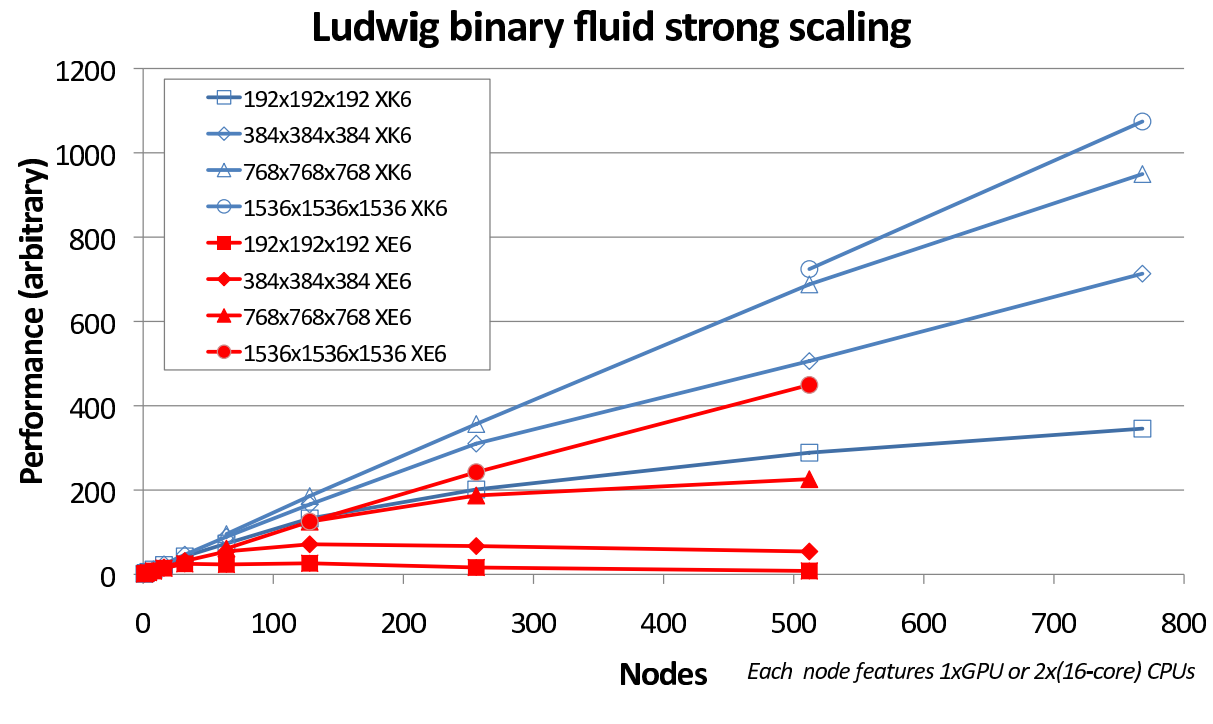

Ludwig binary fluid weak scaling
196³ per node, 100 timesteps
time (s)
100
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
1200
Nodes
XE6 (AMD Interlagos CPUs)
XK6 (NVIDIA Tesla X2090 GPUs)
Each node features 1xGPU or 2x(16-core)CPUs


Ludwig binary fluid strong scaling
Performance (arbitrary)
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
Nodes
192x192x192 XK6
384x384x384 XK6
768x768x768 XK6
1536x1536x1536 XK6
192x192x192 XE6
384x384x384 XE6
768x768x768 XE6
1536x1536x1536 XE6
Each node features 1xGPU or 2x(16-core) CPUs