Array_size = 32

```
KERNEL_LU (Host) :     0.00003 sec     2.11475 GFLOPS
KERNEL_LU (GPU) :      0.00209 sec     0.03130 GFLOPS
```

Array_size = 128

```
KERNEL_LU (Host) :     0.00164 sec     2.55203 GFLOPS
KERNEL_LU (GPU) :      0.00657 sec     0.63861 GFLOPS
```

Array_size = 1024

```
KERNEL_LU (Host) :     0.91749 sec     2.34062 GFLOPS
KERNEL_LU (GPU) :      0.49400 sec     4.34713 GFLOPS
```

Array_size = 2000

```
KERNEL_LU (Host) :     6.13023 sec     2.61002 GFLOPS
KERNEL_LU (GPU) :      3.71077 sec     4.31177 GFLOPS
```

Aray_size = 4000

```
KERNEL_LU (Host) :     47.289 sec        2.7 GFLOPS
KERNEL_LU (GPU) :      29.194 sec        4.4 GFLOPS
```