

High-Performance ELM iterative solver

- Define precision
- Use triangular matrices

21 Sep

9:00

Dent Inst

$$XW + b$$

$$XW + \begin{bmatrix} b \\ b \\ b \\ b \end{bmatrix}$$

↓

$$XW + b$$

$$f(\cdot)$$

np.hstack

$$\left(\begin{bmatrix} \square & \square & \square \end{bmatrix} \right)$$

↓

$$\begin{bmatrix} \vdots & \vdots & \vdots \\ \vdots & \vdots & \vdots \\ \vdots & \vdots & \vdots \end{bmatrix}$$

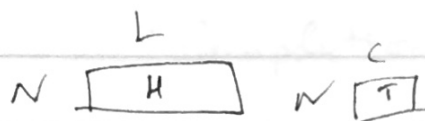
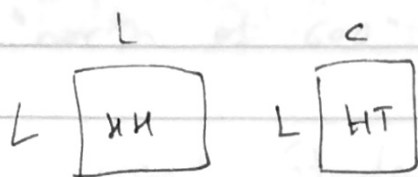
cUBLAS dsyrk / ssyrk

MAGMA sposv-gpu / dposv-gpu

Use ELM tutorial style similar to
Atlassin tutorial

Branch for a new feature and merge.
use "rebase" if original project was fixed meanwhile.

GPU memory:



$$L(L+N+C) + Nc$$

$$L(L+C) + N(L+C) = (L+N)(L+C)$$

Auto-detect "N"