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Time Estimates on Matrix ops.

see if Mr. Claude
Walston is
on list

Matrix Invert:

Storage $n(n+1)$
 $\frac{2}{3} n^3$ Mpy about $\frac{2}{3} n^3$ adds
 $\sim \frac{2}{3} n^3$ indexing

$a_{ij} \rightarrow c_{j-1}$

Matrix Mpy:

Storage $3n^2$
 n^3 Mpy
 $(n-1)^3$ adds,
 $\sim 2n^3$ indexing ops.

Speeds "Guaranteed"

Basic	Sigma
Fl. Mpy $\sim 15 \mu s$	$\sim 1.5 \mu s$
Fl. Add $\sim 2 \mu s$	$\sim 0.6 \mu s$
Index add, $0.2 \mu s$	$0.2 \mu s$

6x6
Invert: ~~216~~ $\frac{2}{3} (6 \times 6 \times 6)$ Mpy = 144 Mpy
144 adds.
144 index adds.

delay on delays etc
50%

Sigma	Basic
215. μs	2150. μs
87. μs	288.
29.	29.
331.	2467.
0.5 ma.	3.75 ma

Multiply: $6 \times 6 \times 6 = 216$
216 Mpy
125 adds
432 index adds

50% delay

Sigma	Basic
325. μs	3250. μs
75.	250.
87.	87.
487.	3587.
0.73 ma	5.4 ma