

LaTeX document for LAFF class notes

Homework 1.4.1: Scaled Vector Addition(AXPY)

Homework 1.4.1.1

What is the cost of the axpy operation?

How many memops?

(a) $3n + 1$ (b) $3n^2 + 1$ (c) $2n^3 + n$ (d) $3n^2 - 2n - 1$

Ans: a

How many flops?

(a) $2n - 2$ (b) $2n^2 + n$ (c) $2n + 3$ (d) $2n$

Ans: d