

Optimising Linear Algebra Performance for Programmers

Elliot Fiske

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1 Multiplying Many Matrices and One Vector

Consider the following matrix operation:

$$\underbrace{A * B * C * D * E}_{100 \text{ by } 100} * \underbrace{x}_{100 \text{ by } 1} = Result \quad (1)$$

where each

2 Calculating the Inverse of a Matrix

Table [1](#) is an example of Pop-Art.

The parameter `filename` should contain the name of the file.

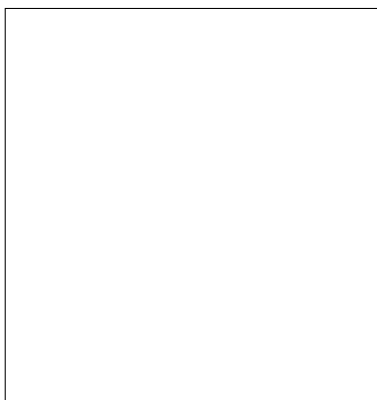


Table 1: Five by Five in Centimetres.