# Implementing Fast Multipole Methods with High Level Interpreted Languages

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September 8, 2020

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# Motivation

# Analytic FMM

# Kernel Independent FMM

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# Motivation

[1]

# Goals

# Outcomes

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# Modern Architectures

# Low-Rank Compression

# References I

L Greengard and V Rokhlin.
A fast algorithm for particle simulations.
*Journal of Computational Physics*, 73(2):325 – 348, 1987.