

# Parallel Programming

in C++, Rust, Go and Julia

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**On the Air**

Tech news

# COMPUTING

## The future of chips, Intel style

Intel's Microprocessor Research Lab tackles fast chips and demanding software.



Fred Pollack,  
Intel  
Architecture  
Group

By *John G. Spooner*, ZDNet News

UPDATED July 25, 2000 7:19 AM PT

Intel Corp. predicts that PC chips will climb to more than 10GHz from today's 1GHz standard by the year 2011.



It's Intel's Microprocessor Research Labs' responsibility to make it happen.

**BREAKING NEWS**

**05:53p**

[IBM killing Project Monterey](#)

**05:18p**

[Compaq CEO says PC parts shortage 'worst ever'](#)

**05:13p**

[Transmeta, AMD deal may be imminent](#)

**03:16p**

[Mobilicity to offer travel apps](#)

**02:58p**

[PC makers: Make](#)

# *Intel Halts Development Of 2 New Microprocessors*

By Laurie J. Flynn

May 8, 2004



Intel said on Friday that it was scrapping its development of two microprocessors, a move that is a shift in the company's business strategy.

Intel, the world's largest semiconductor manufacturer, said it canceled plans for Tejas, the code name for Intel's successor to the Pentium 4 chip, which is widely used in desktop personal computers. A second chip in development, code-named Jayhawk and intended for use in server computers, has also been canceled.

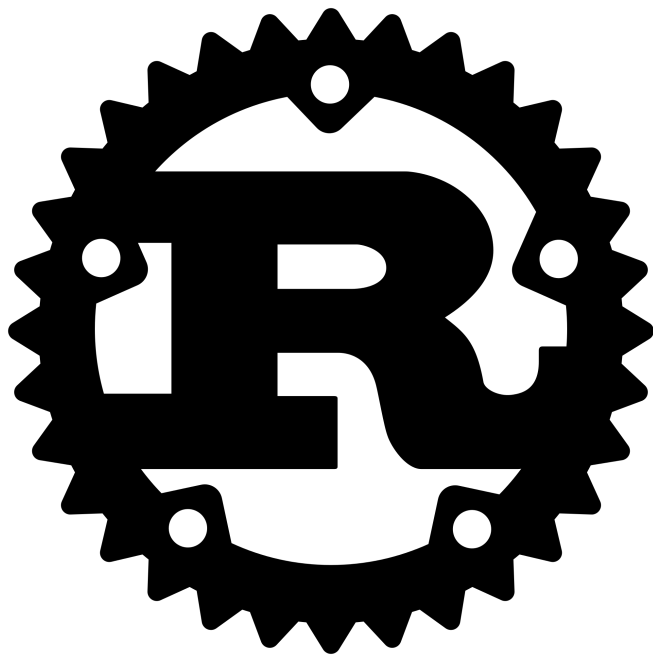
Quelle: <https://www.nytimes.com/2004/05/08/business/intel-halts-development-of-2-new-microprocessors.html>

Motivation



**GO**

The image features the word "GO" in a bold, black, sans-serif font. To the left of the letter "G", there are three horizontal lines of varying lengths, stacked vertically, which create a sense of motion or speed, similar to a stylized "G" or a fast-forward symbol.



The logo for the Julia programming language, featuring the word "julia" in a bold, lowercase, black sans-serif font. The letter 'j' has a blue dot above it. The letter 'i' has a red dot above it. The letter 'l' has a green dot above it. The letter 'i' has a purple dot above it. The letter 'a' has a red dot above it.

**julia**



Goals

# Approach

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Operating System	KDE neon 5.18
Kernel Version	4.15.0
System Type	x64
Processor	Intel Core i5-2500K
RAM	8GB

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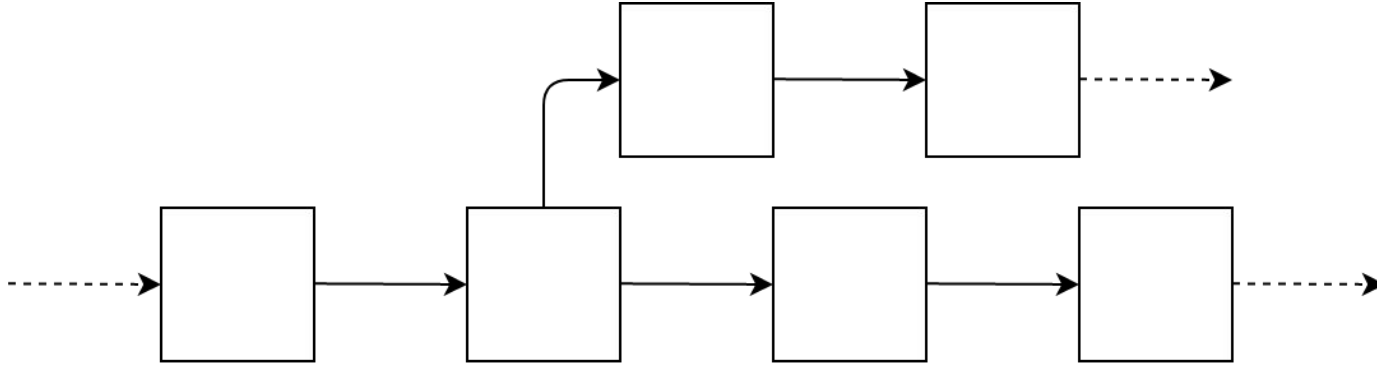
<b>Compiler</b>	<b>Version</b>
g++	9.3.0
rustc	1.40.0
go	1.10.4
julia	1.3.1

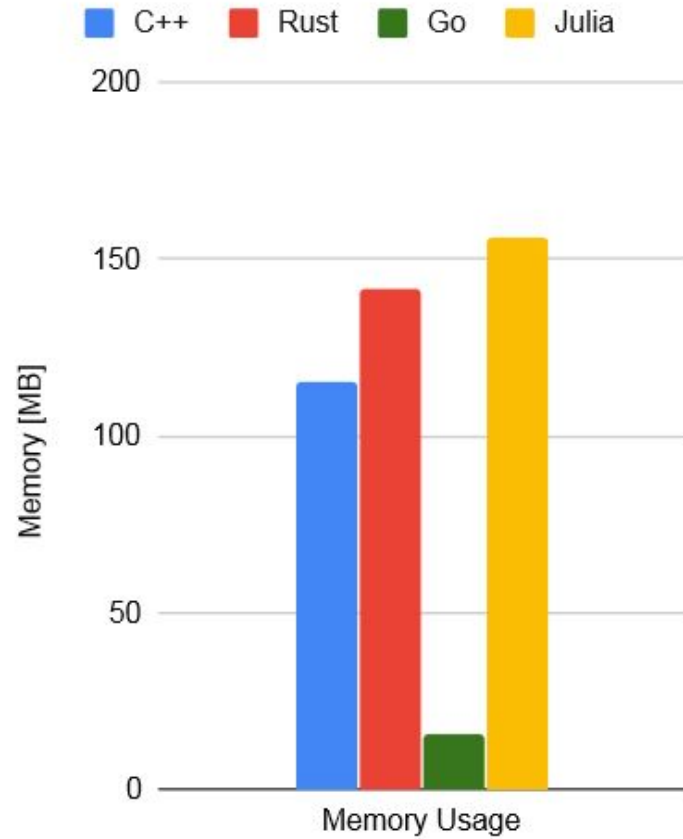
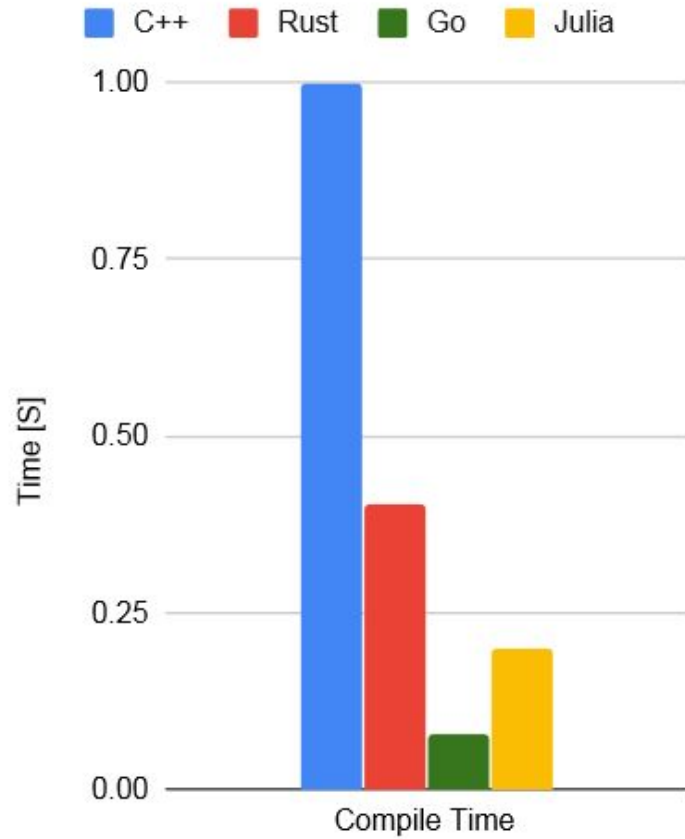
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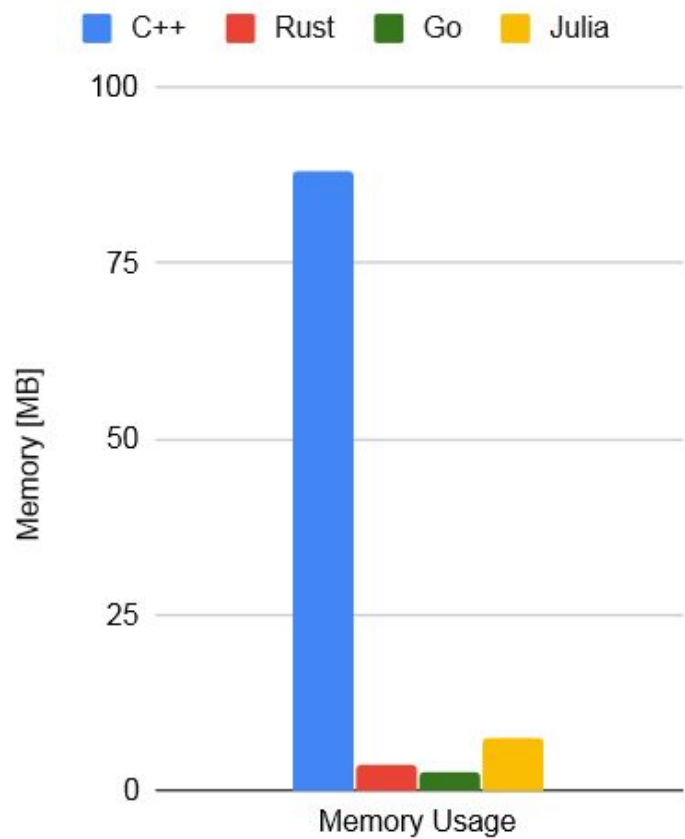
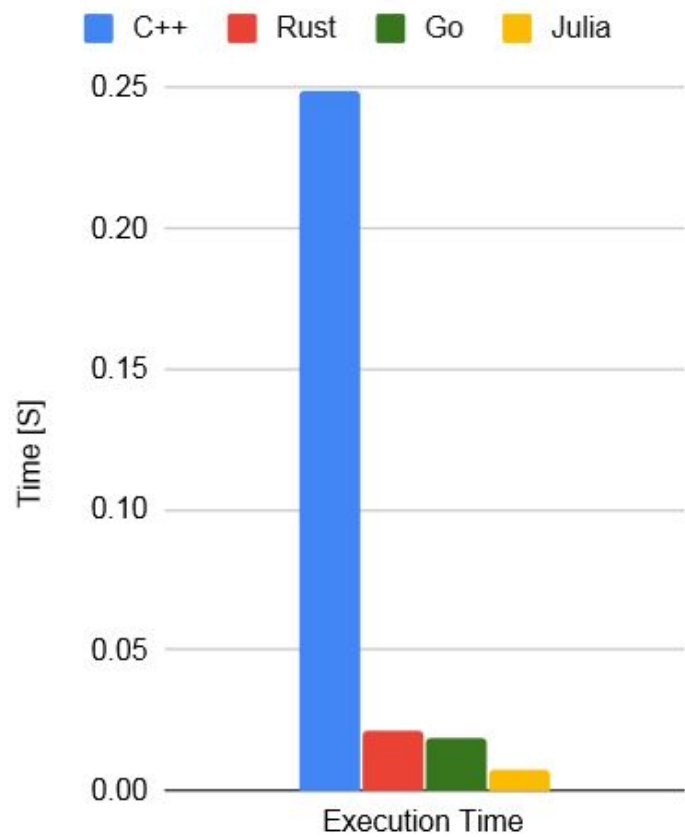
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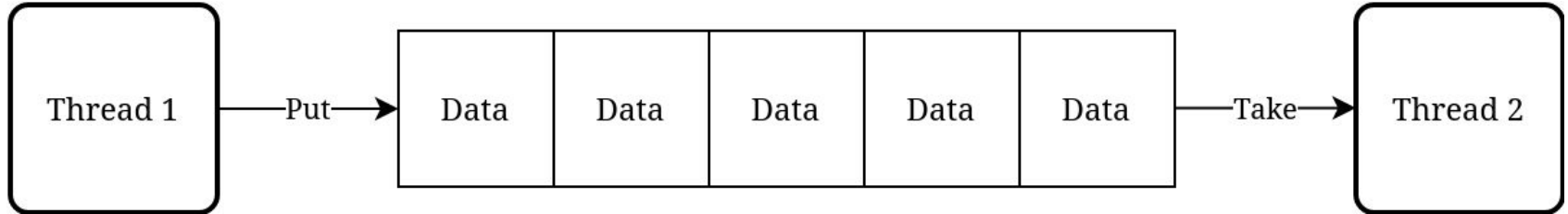
# Tasks

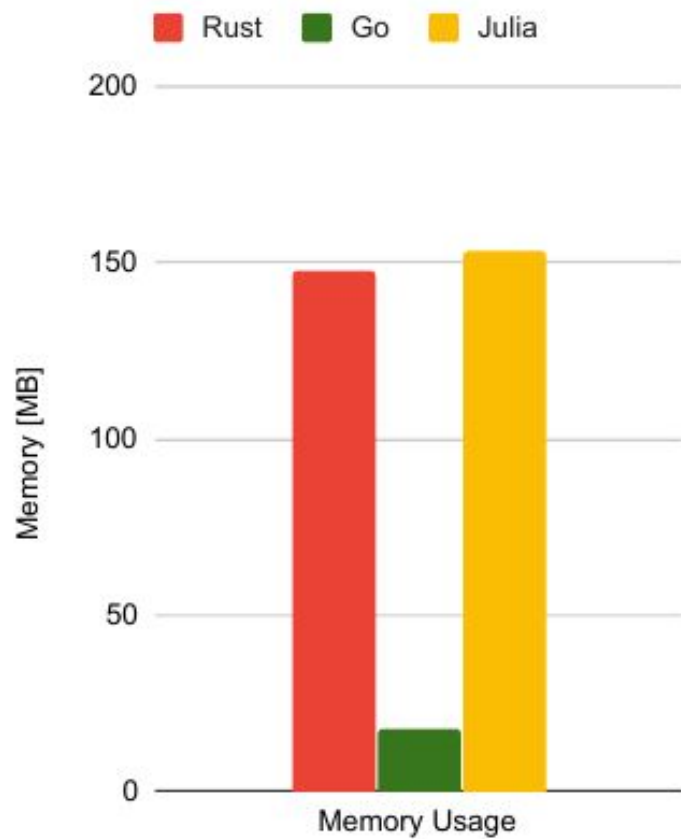
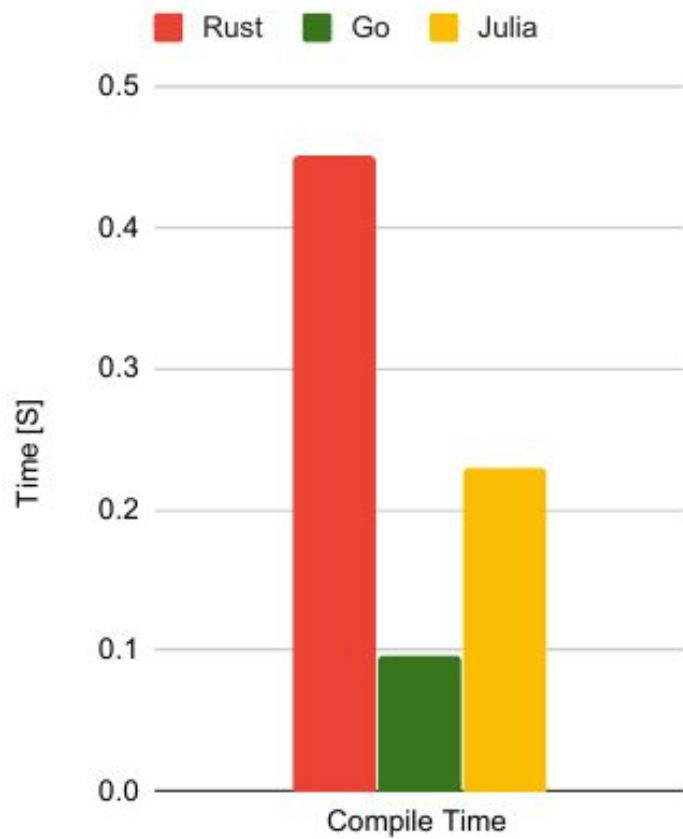




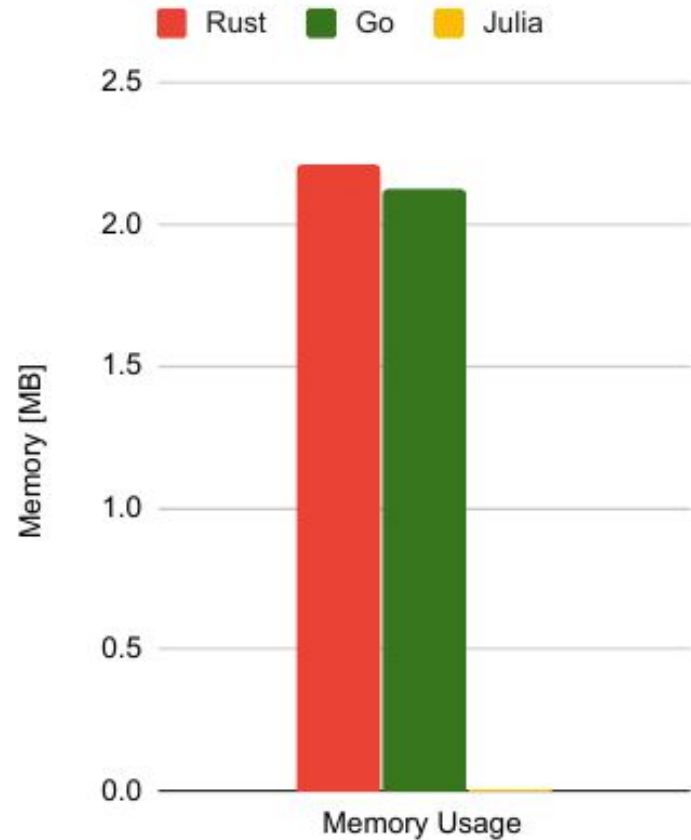
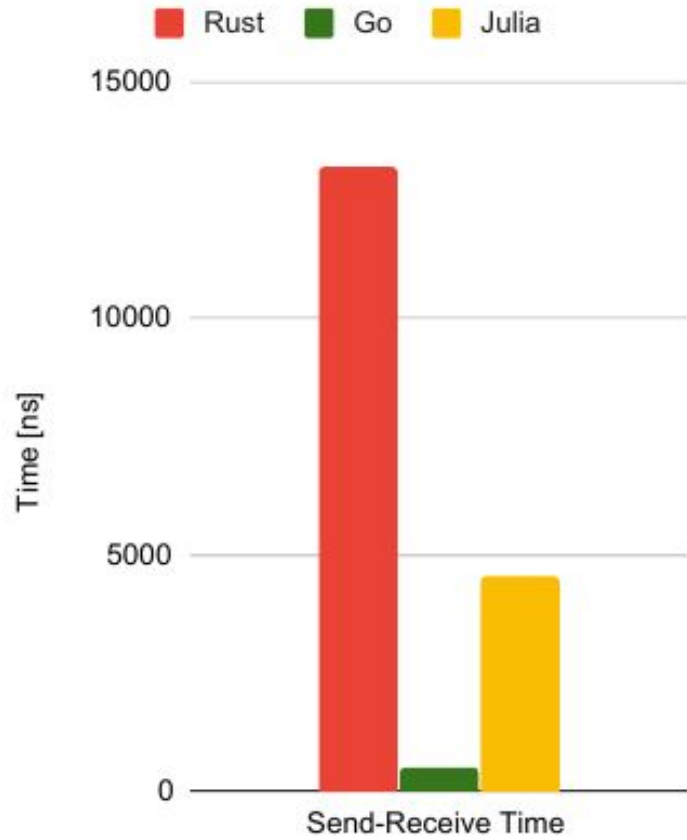


# Channels

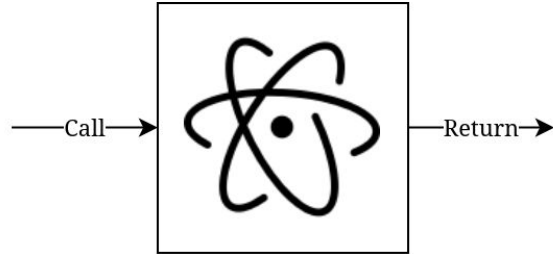


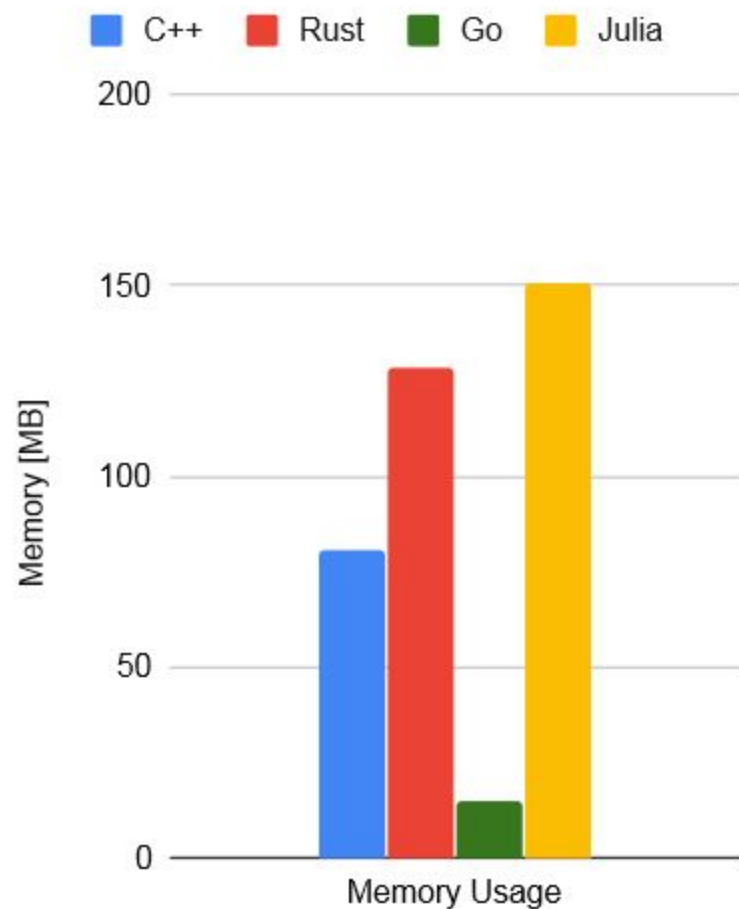
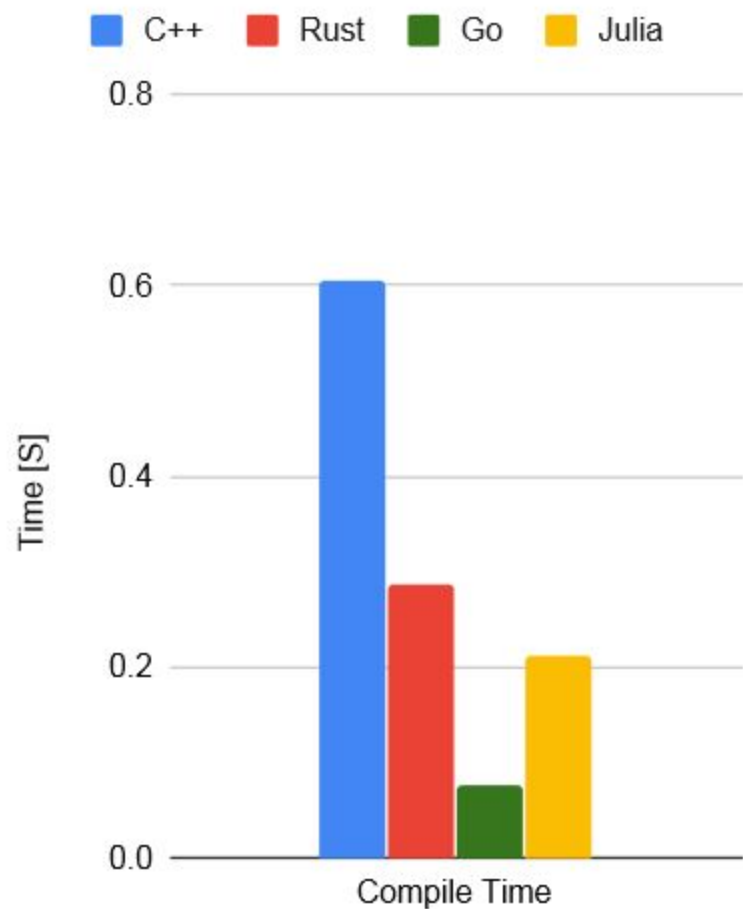


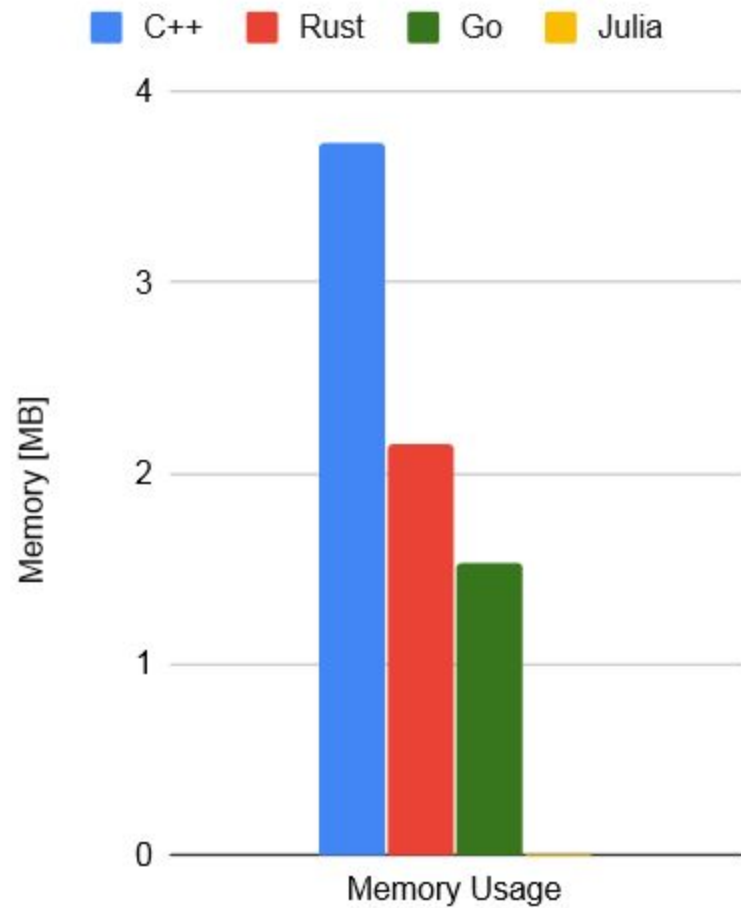
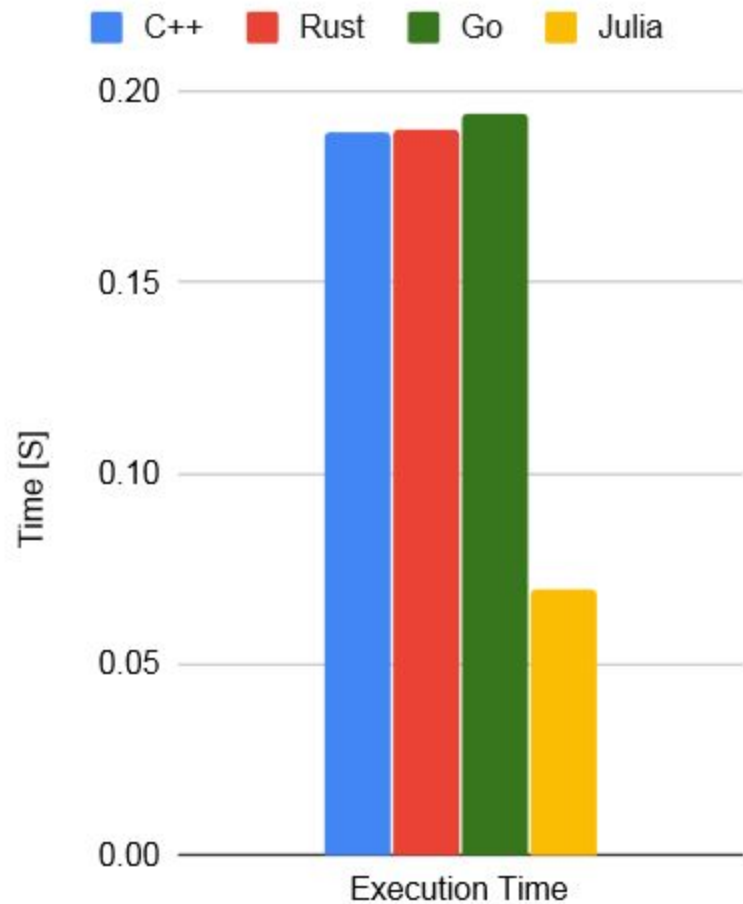




# Atomics







Conclusion