

juliacon

Baltimore 2019

Elm A

Tuesday, 23 July

- 11:00 **Katharine Hyatt, Matthew Fishman**
Intelligent Tensors in Julia
- 11:30 **Dachuan Lu, JinGuo Liu**
Differential Programming Tensor Networks
- 11:40 **Michiel Stock**
A general-purpose toolbox for efficient Kronecker-based learning
- 11:50 **Ayush Patnaik**
Correlation Analysis in Julia
- 14:30 **Morten Pihlbech**
Generating documentation: under the hood of Documenter.jl
- 15:00 **Fredrik Ekre**
Literate programming with Literate.jl
- 15:10 **Dominique Luna**
Formatting Julia
- 15:45 **Alex Lew**
Cleaning messy data with Julia and Gen
- 16:15 **Brandon Taylor**
LightQuery.jl
- 16:45 **Jacob Quinn**
State of the Data: JuliaData
- 16:55 **Mary McGrath**
Prototyping Visualizations for the Web with Vega and Julia
- 17:05 **Simon Danisch**
A Showcase for Makie

Wednesday, 24 July

- 11:00 **Dheepak**
Why writing C interfaces in Julia is so easy*
- 11:30 **Aaron Christianson**
Backticks and the Glorious Command Literal
- 11:40 **Patrick Kofod Mogensen**
Re-designing Optim
- 11:50 **Dai ZJ**
Towards Faster Sorting and Group-by operations
- 14:30 **Christine R Herlihy, James Fairbanks**
SemanticModels.jl: not just another modeling framework
- 15:00 **Randy Zwitsch**
OmniSci.jl: Bringing the open-source, GPU-accelerated relational database to Julia
- 15:45 **Tillmann Weisser, Benoît Legat, Chris Coey, Lea Kapelevich, Juan Pablo Vielma**
Polynomial and Moment Optimization in Julia and JuMP

Thursday, 25 July

- 11:00 **Shashi Gowda**
Julia + JavaScript = <3
- 11:30 **Mohammed El-Beltagy, Amgad Naiem**
Julia web servers deployment
- 11:40 **Bogumił Kamiński**
A case study of migrating Timelineapp.co to the Julia language
- 11:50 **Renee Spear**
The Julia Language 1.0 Ephemeris and Physical Constants Reader for Solar System Bodies
- 14:30 **Nathan Daly**
If Runtime isn't Funtime: Controlling Compile-time Execution
- 15:00 **Takafumi Arakaki**
Transducers: data-oriented abstraction for sequential and parallel algorithms on containers
- 15:45 **Yingbo Ma**
Efficient Stiff Ordinary Differential Equation Solvers for Quantitative Systems Pharmacology (QsP)
- 16:15 **Vaibhav Dixit**
Simulation and estimation of Nonlinear Mixed Effects Models with PuMaS.jl
- 16:45 **Bram De Jaegher**
An advanced electrodialysis process model in the Julia ecosystem
- 16:55 **Shubham Maddhashiya**
IVIVC.jl: In vitro – in vivo correlation module as part of an integrated pharmaceutical modeling and simulation platform
- 17:05 **Vasco Verissimo, Laurent Heirendt**
GigaSOM.jl: Huge-scale, high-performance flow cytometry clustering in Julia
- 17:15 **benjamin chu**
MendelHT.jl: How to fit Generalized Linear Models for High Dimensional Genetics (GWAS) Data
- 17:25 **Alec Bills**
Electrifying Transportation with Julia



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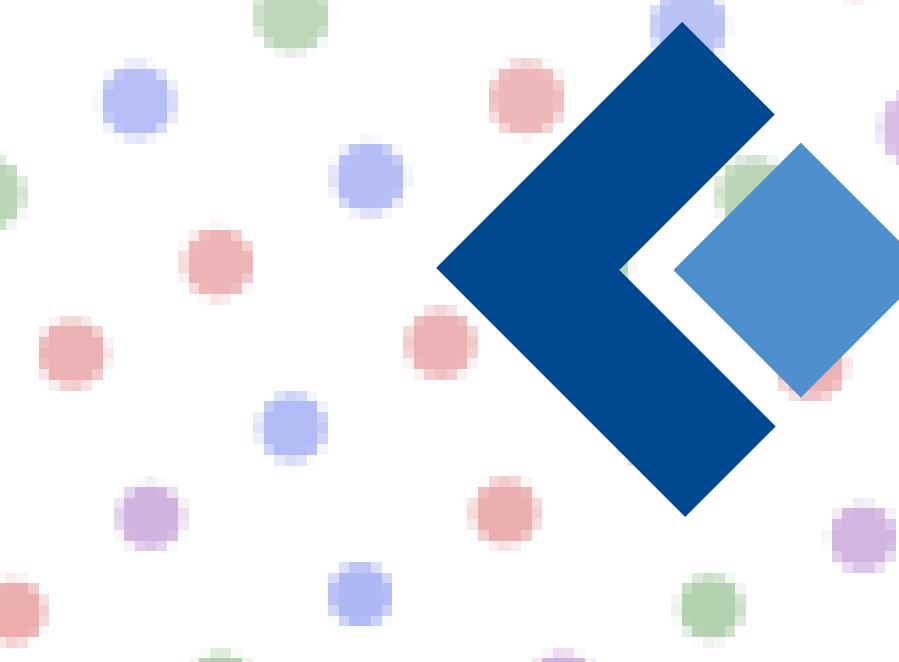
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Tuesday, 23 July

11:00 **Chris Rackauckas**

Dynamical Modeling in Julia

14:30 **Josh Day**

JuliaDB Code and Chat

Wednesday, 24 July

11:00 **Clark Evans**

Sustainable Development and Open Source Monetization

14:30 **Kelly Shen**

Diversity and Inclusion in Julia Community

Thursday, 25 July

11:00 **Andreas Noack, Lucas Wilcox, Alan Edelman, Chris Hill**

Performant parallelism with productivity and portability.

14:30 **Vijay Ivaturi**

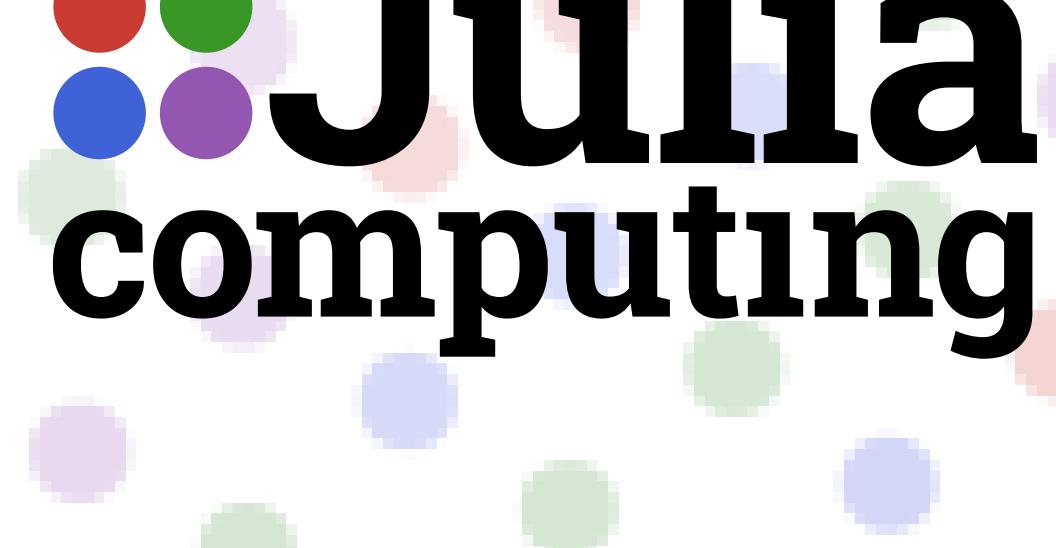
Julia in Healthcare



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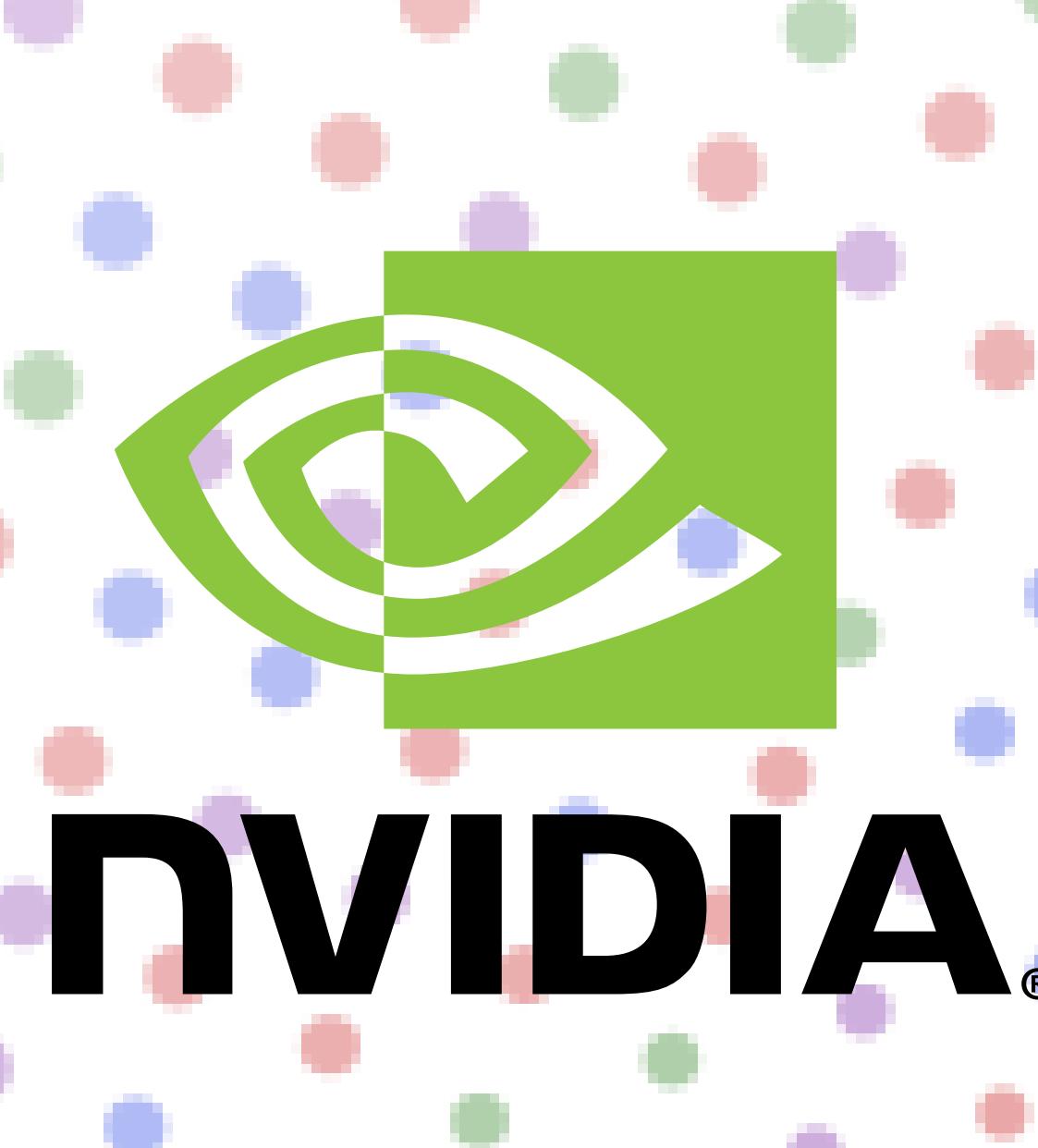


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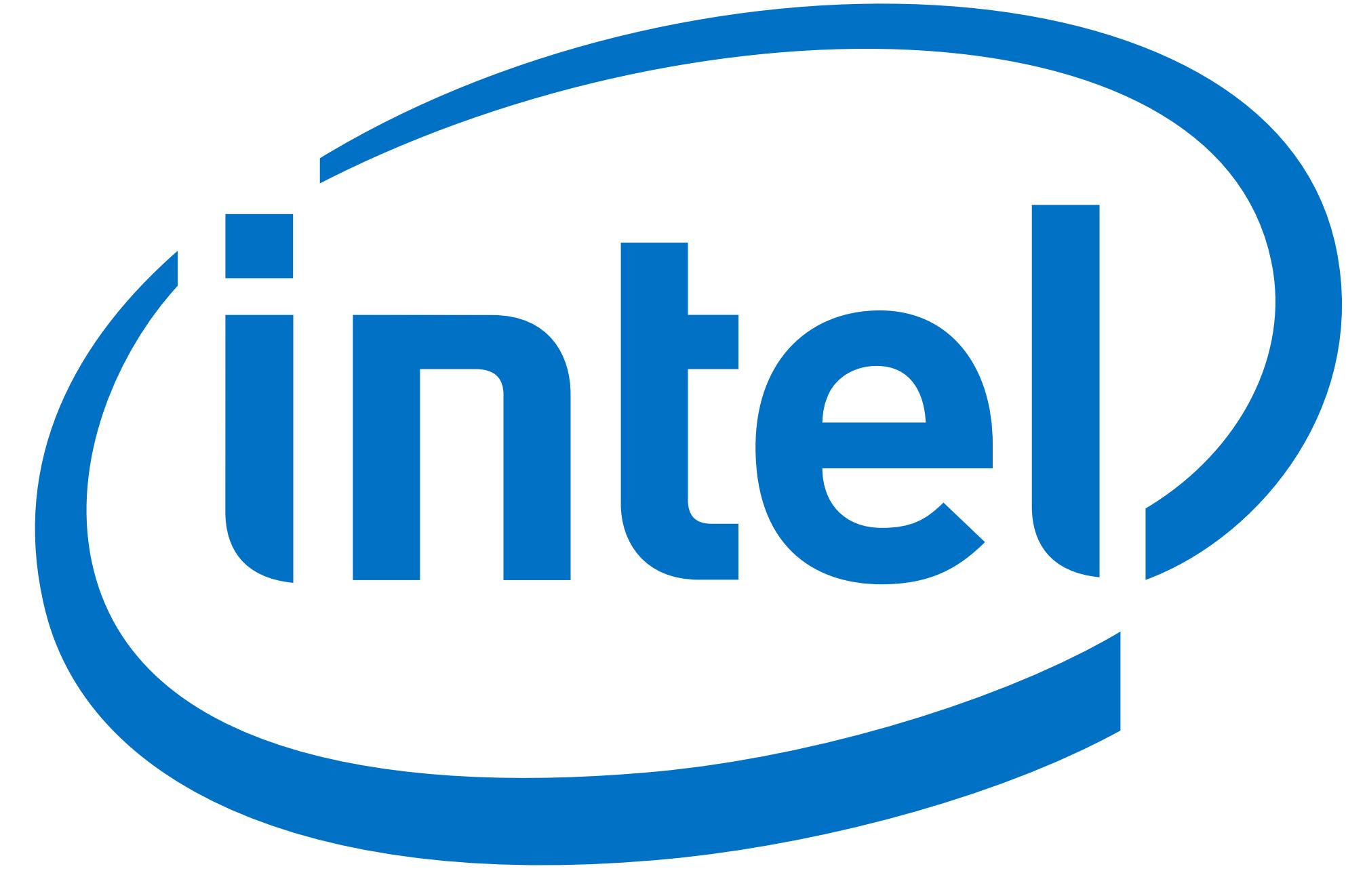
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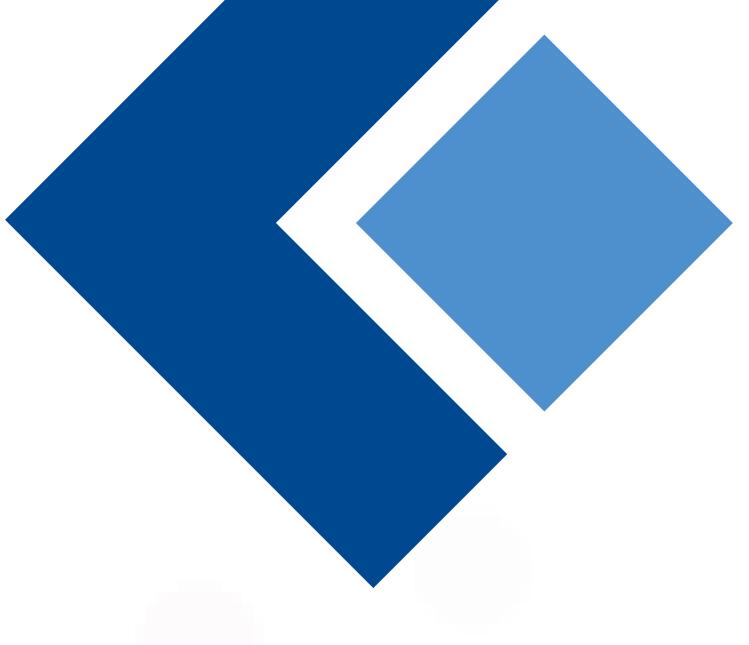
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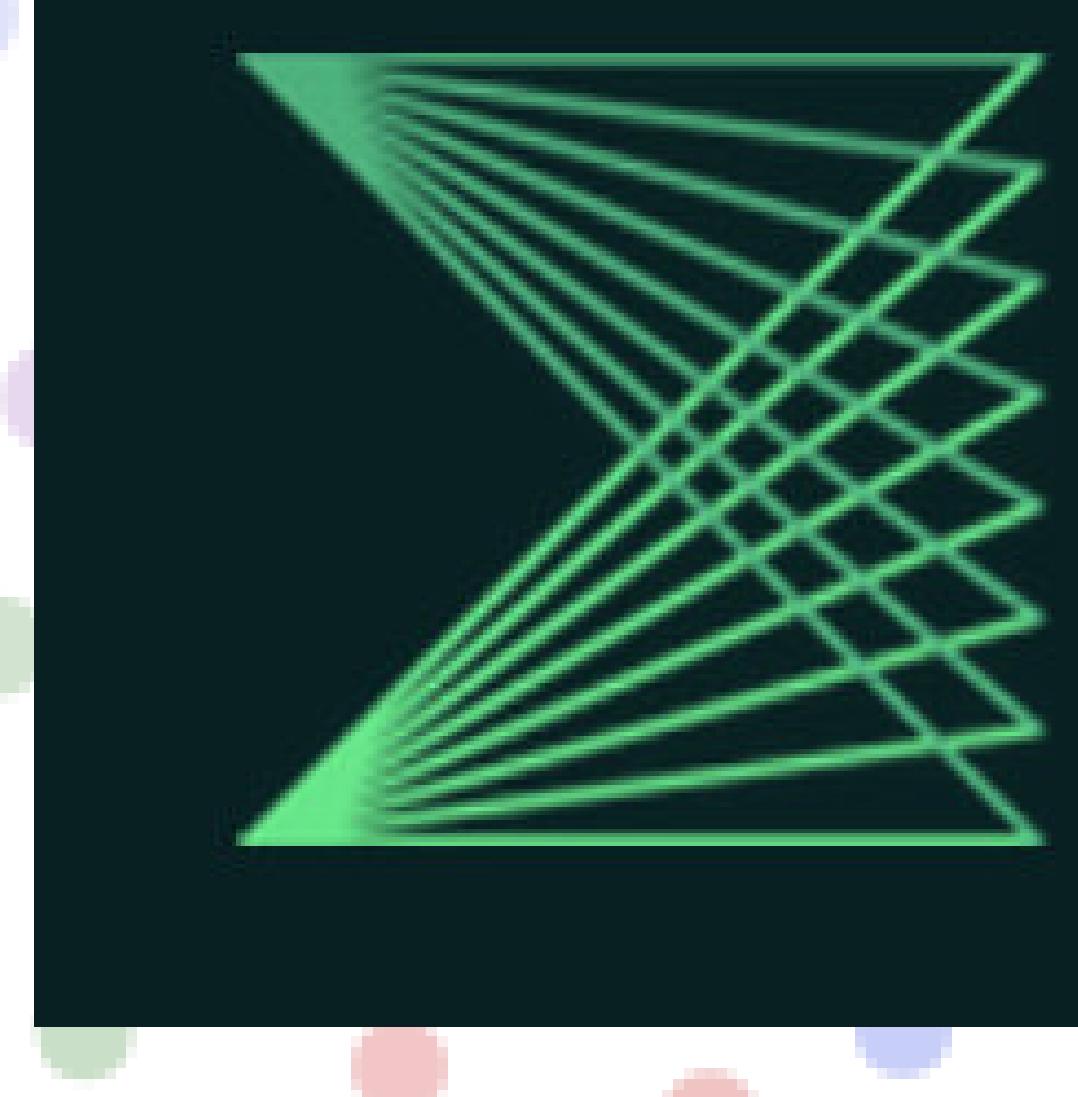
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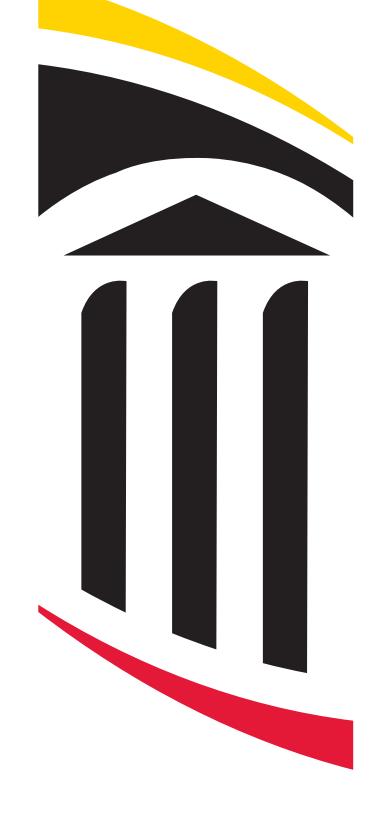


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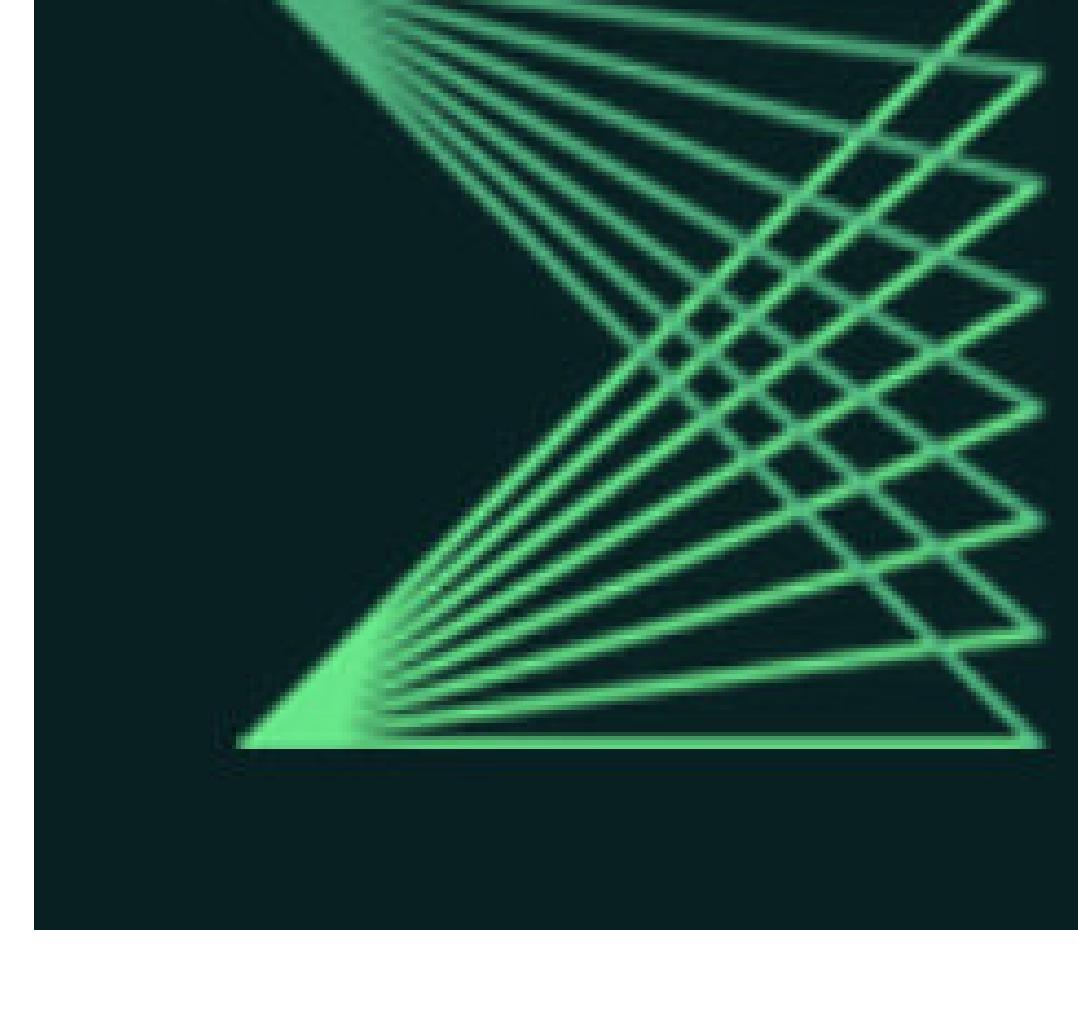
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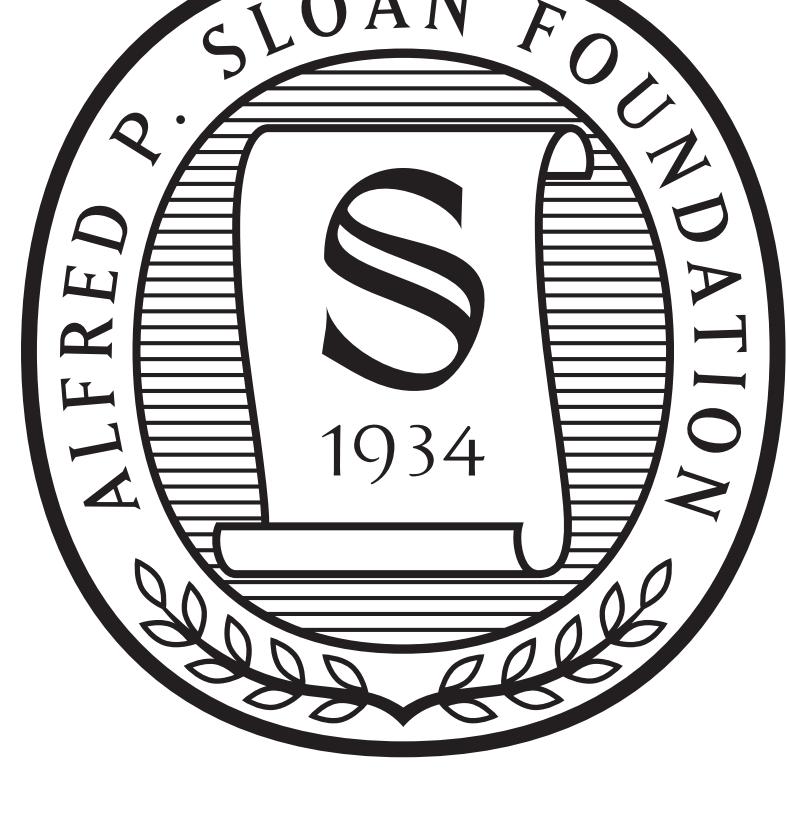


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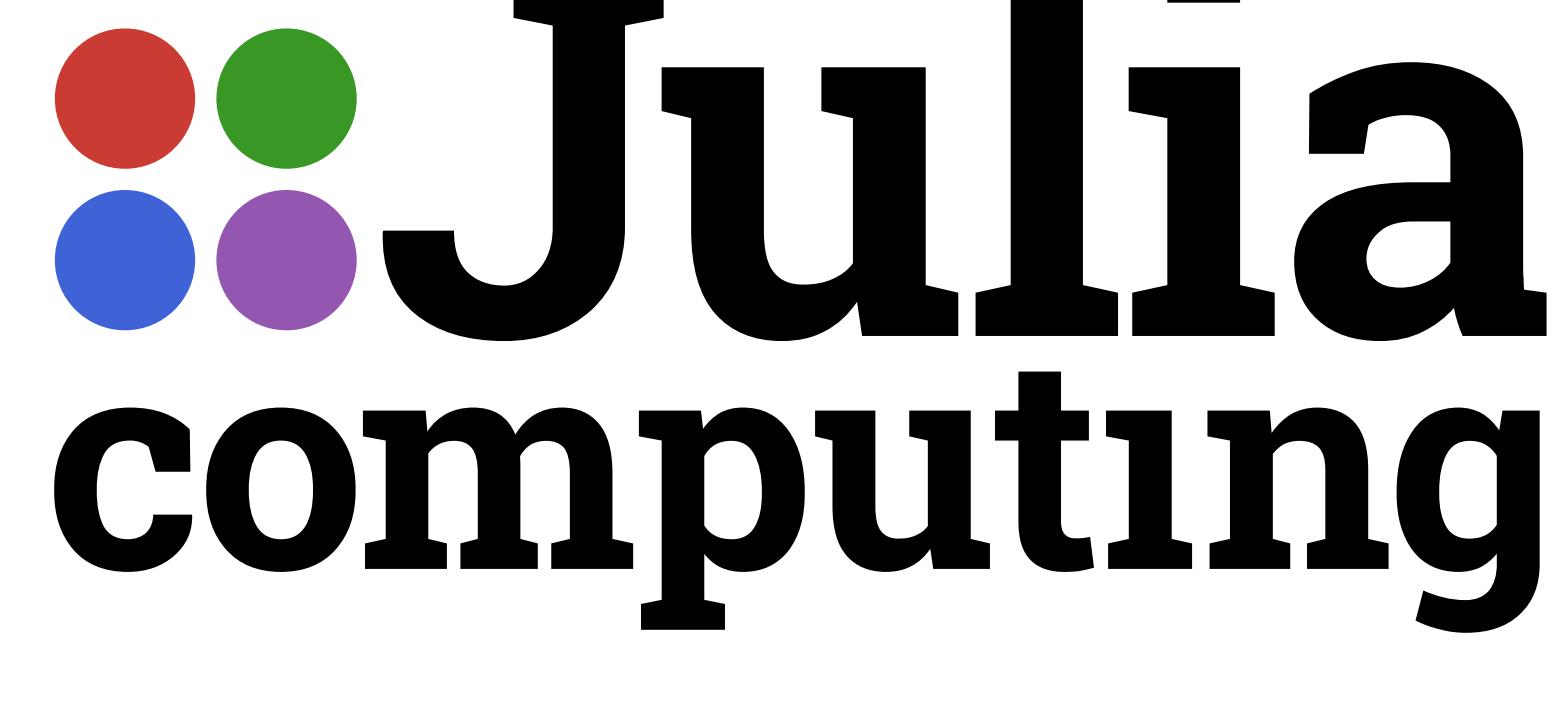
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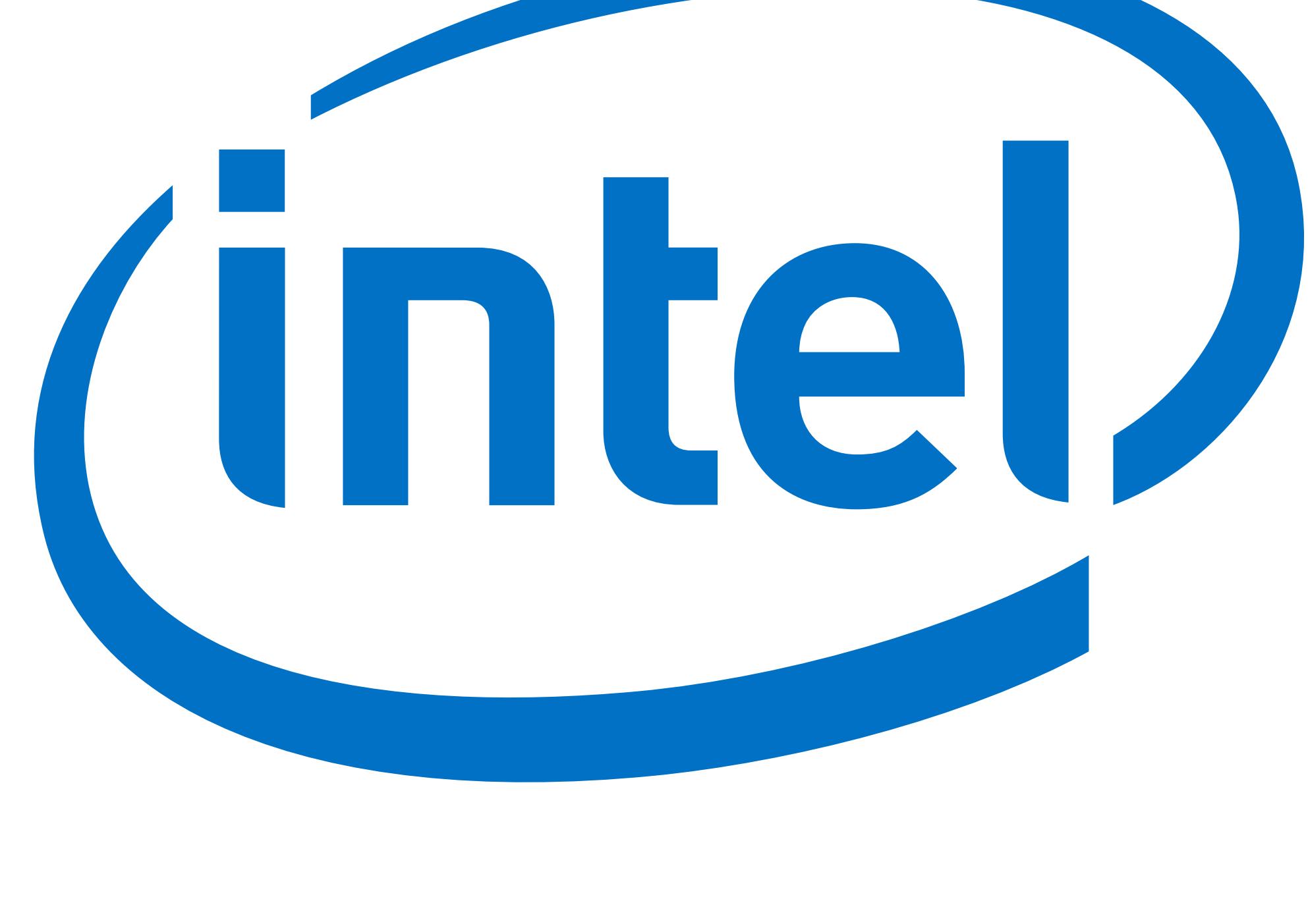
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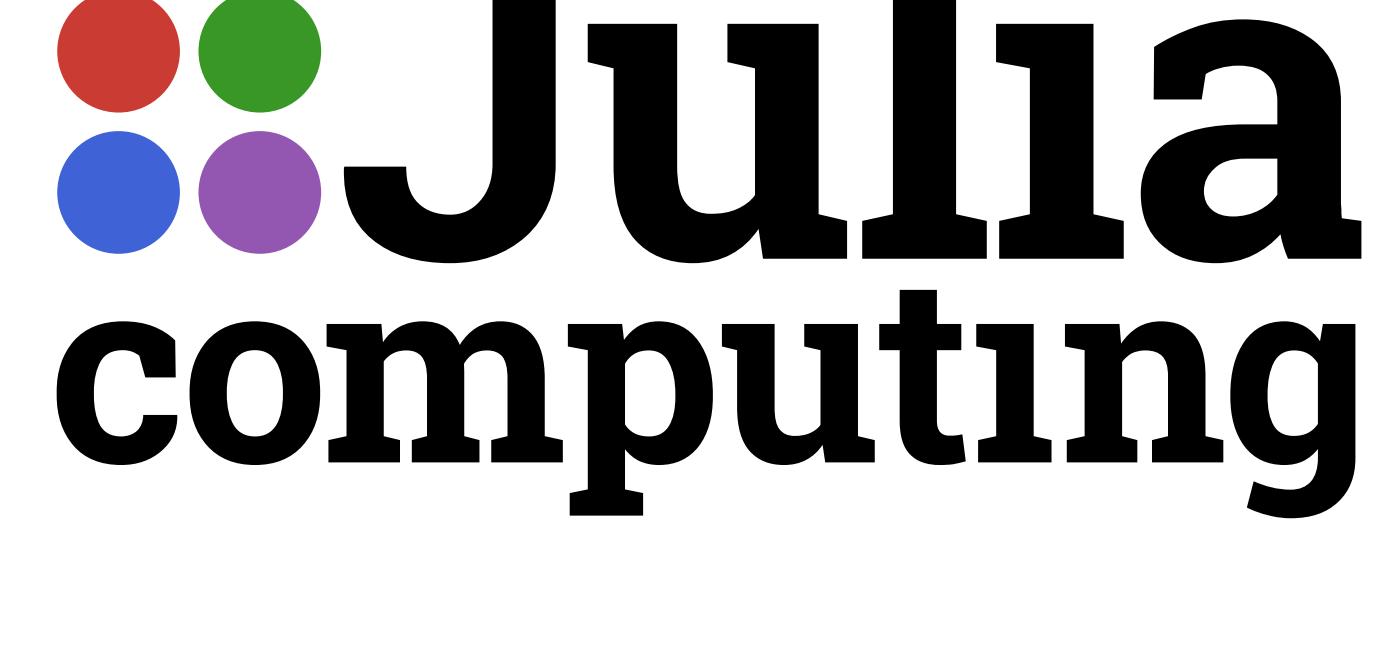
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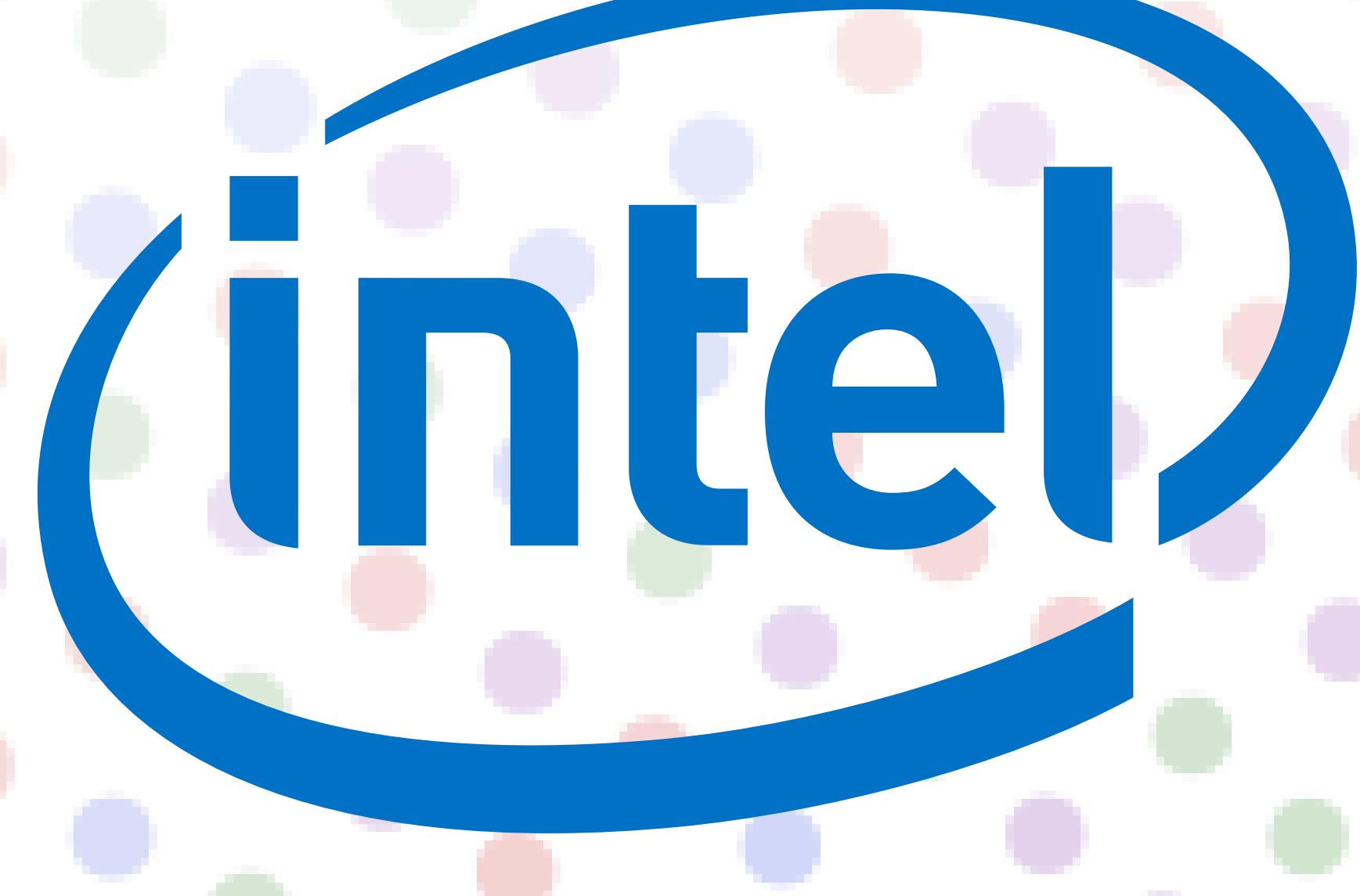
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