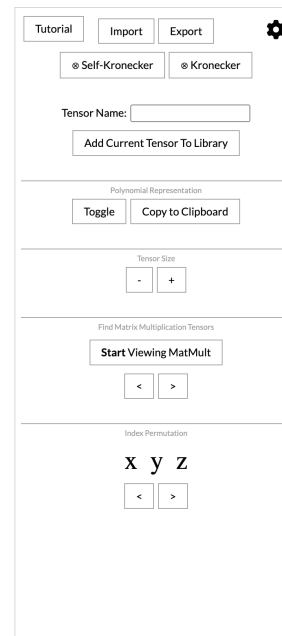
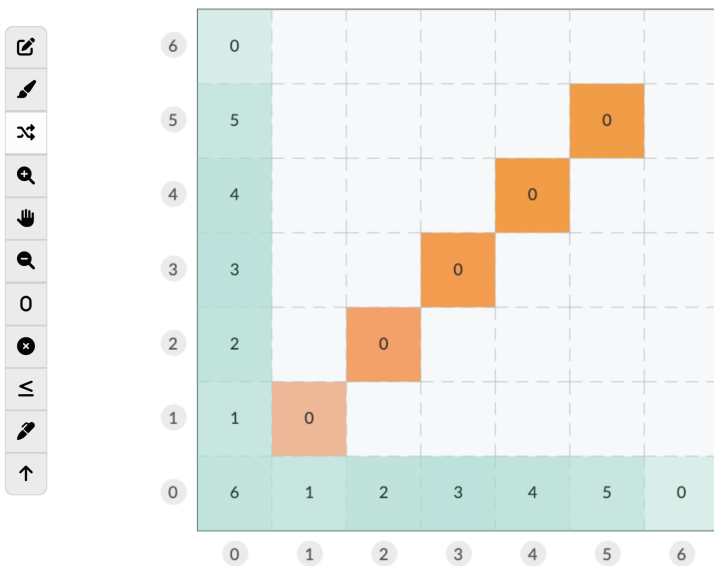


TensorShop

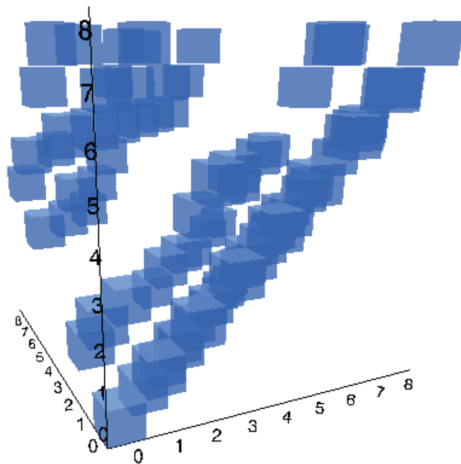
tensorshop.github.io

Josh Alman & Jonah Stockwell Dept. of CS at Columbia University

An intuitive, entirely web-based tool for visualizing, manipulating, and analyzing tensors for matrix multiplication algorithm design.



A suite of tools for



importing and building tensors

partitioning tensors

exporting two- and three-dimensional representations

zeroing out / combinatorial degeneration

exporting tensors for analysis

monomial degeneration by labels

manipulating tensor axes

solving monomial degeneration by linear programming

permuting indices

Kronecker products

zooming in and out on tensors

and more!

finding matrix multiplication subtensors