Results representation

- **2D parameters** space
  - Computation time
  - Data size

- **Overhead ratio**
  - 0: perfect overlap
  - 1: no overlap, computation & communication serialized
  - >1: slower than serialized

Expected time with perfect overlap

\[
\text{ratio} = \frac{\text{measured} - \max(\text{computation}, \text{comm})}{\min(\text{computation}, \text{comm})}
\]

Normalizing such as ratio=1 for no overlap

Computation longer than communication

Communication time = computation time

Communication longer than computation