Accelerate HPC and AI applications with RVV auto vectorization
Hualin Wu, Terapines Ltd

ABOUT TERAPINES
Terapines is a hardware software co-design solution provider for RISC-V since 2019.
Our SDK includes:
- cloud and cross platform IDE ZStudio (not yet another Eclipse based IDE)
  - high performance C/C++/Fortran compiler ZCC
  - cycle accurate and instruction set simulator zemu
  - software debugger zdb
  - ISO26262-6 functional safety rule checker zchecker etc
We also provide tools and services for rapid architecture exploration and instruction customization, with Terapines’ ESL virtual board builder zvboard and SDK auto generator zigen.

Relative dynamic inst. count, lower is better, data path: 512 bits

Source code: https://github.com/dodohack/rv_lib