CVP1 Results

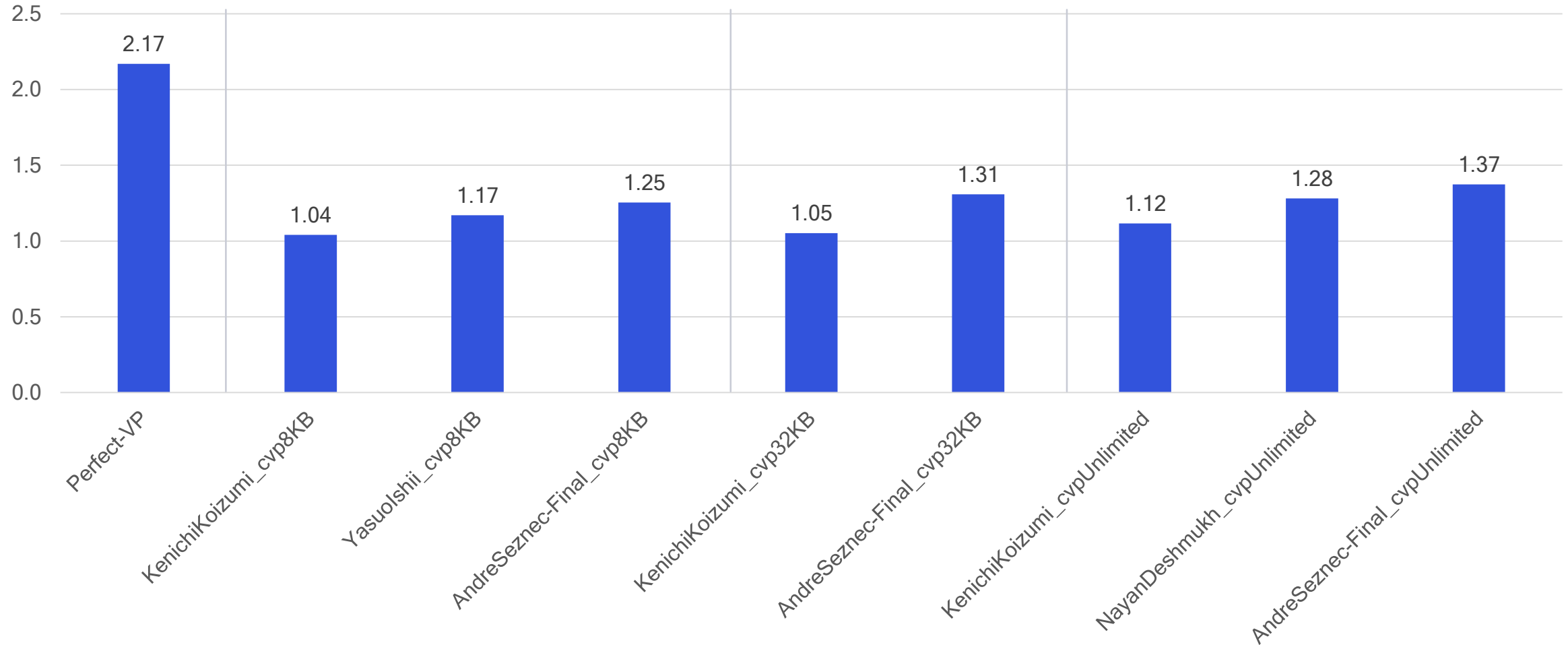**Arthur Perais & Rami Sheikh**

Qualcomm Technologies, Inc.
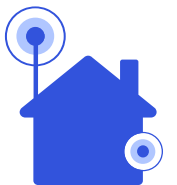
Public Traces

Geomean Speedup on Released Traces (Total of 135 Traces)

|	Perfect-VP	KenichiKoizumi_cvp8KB	YasuoIshii_cvp8KB	AndreSeznec-Final_cvp8KB	KenichiKoizumi_cvp32KB	AndreSeznec-Final_cvp32KB	KenichiKoizumi_cvpUnlimited	NayanDeshmukh_cvpUnlimited	AndreSeznec-Final_cvpUnlimited
Value	2.17	1.04	1.17	1.25	1.05	1.31	1.12	1.28	1.37

INT Traces (1002)

INT, Speedup S-curve (Best, Unlimited)
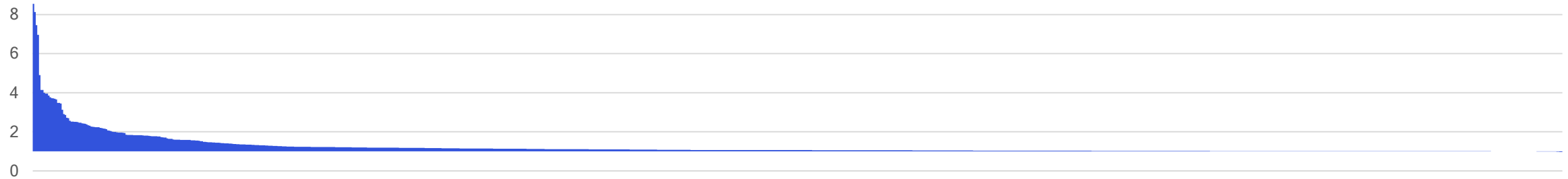
INT, Speedup S-curve (Best, 32KB)

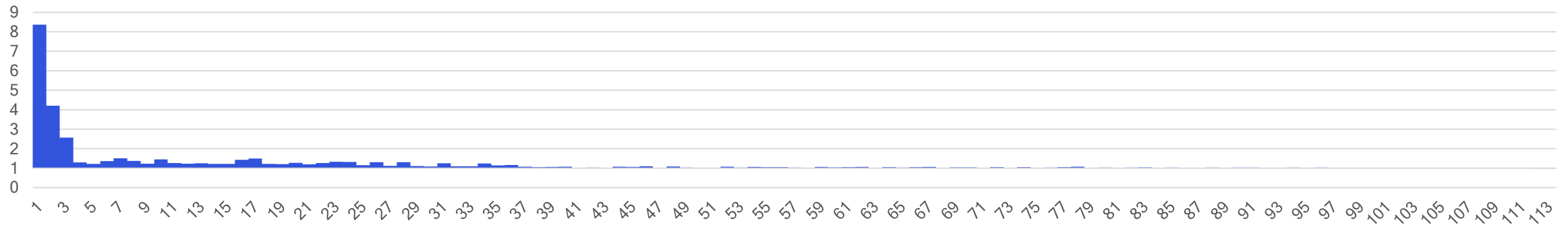INT, Speedup S-curve (Best, 8KB)
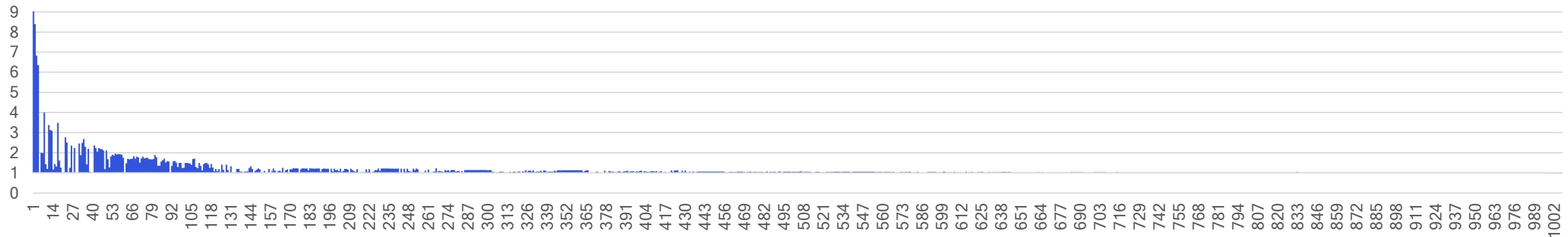
FP Traces (113)

FP, Speedup S-curve (Best, Unlimited)
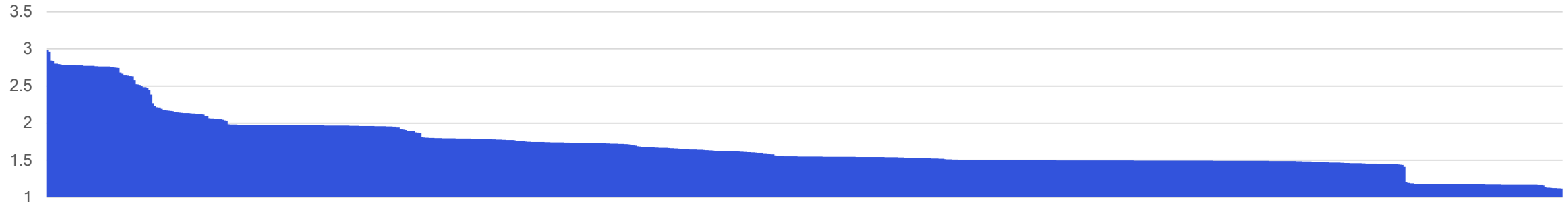

FP, Speedup S-curve (Best, 32KB)
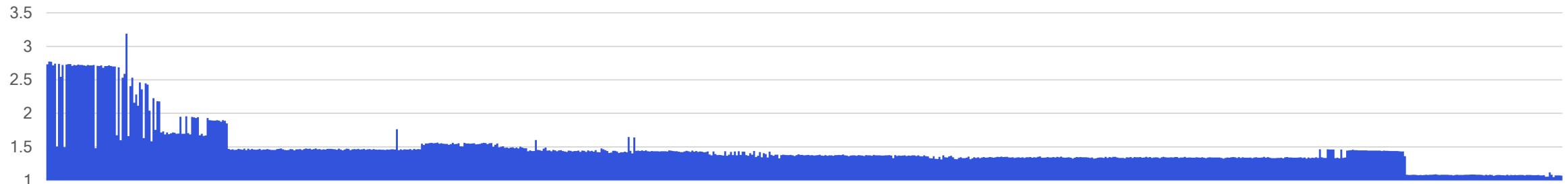

FP, Speedup S-curve (Best, 8KB)
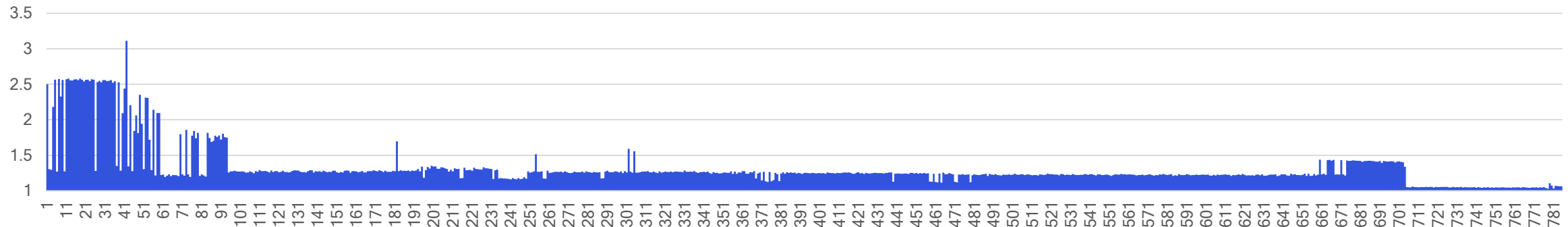
SRV Traces (785)

SRV, Speedup S-curve (Best, Unlimited)

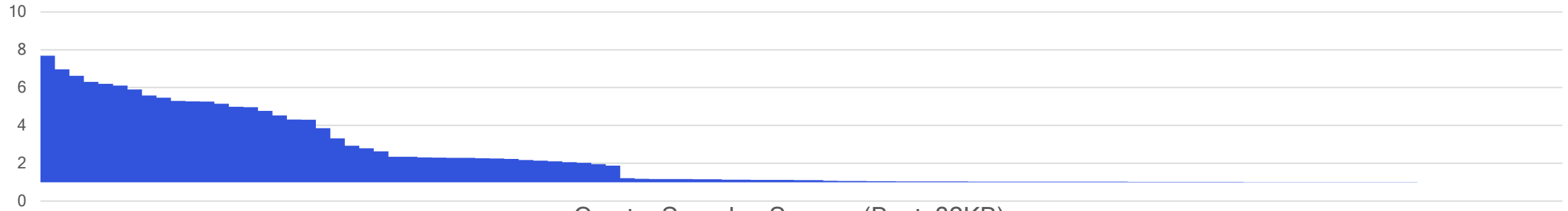SRV, Speedup S-curve (Best, 32KB)
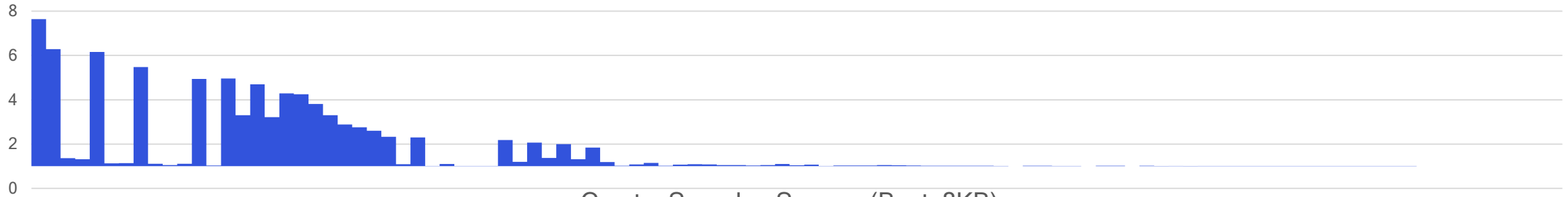
SRV, Speedup S-curve (Best, 8KB)

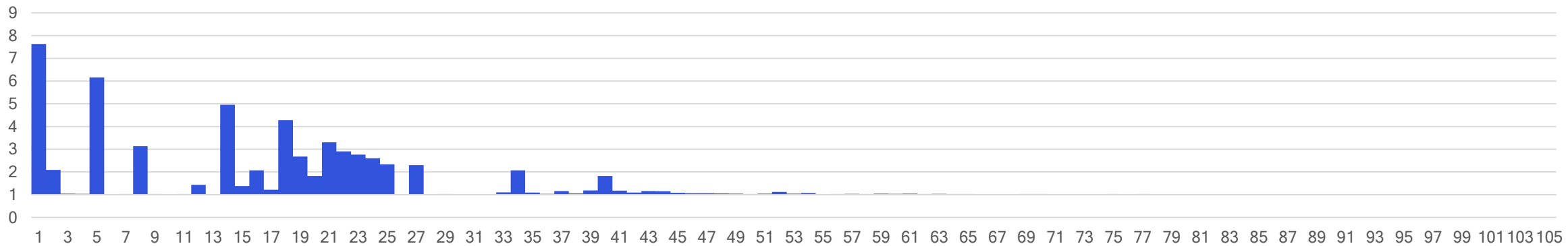# Crypto Traces (105)

Crypto, Speedup S-curve (Best, Unlimited)
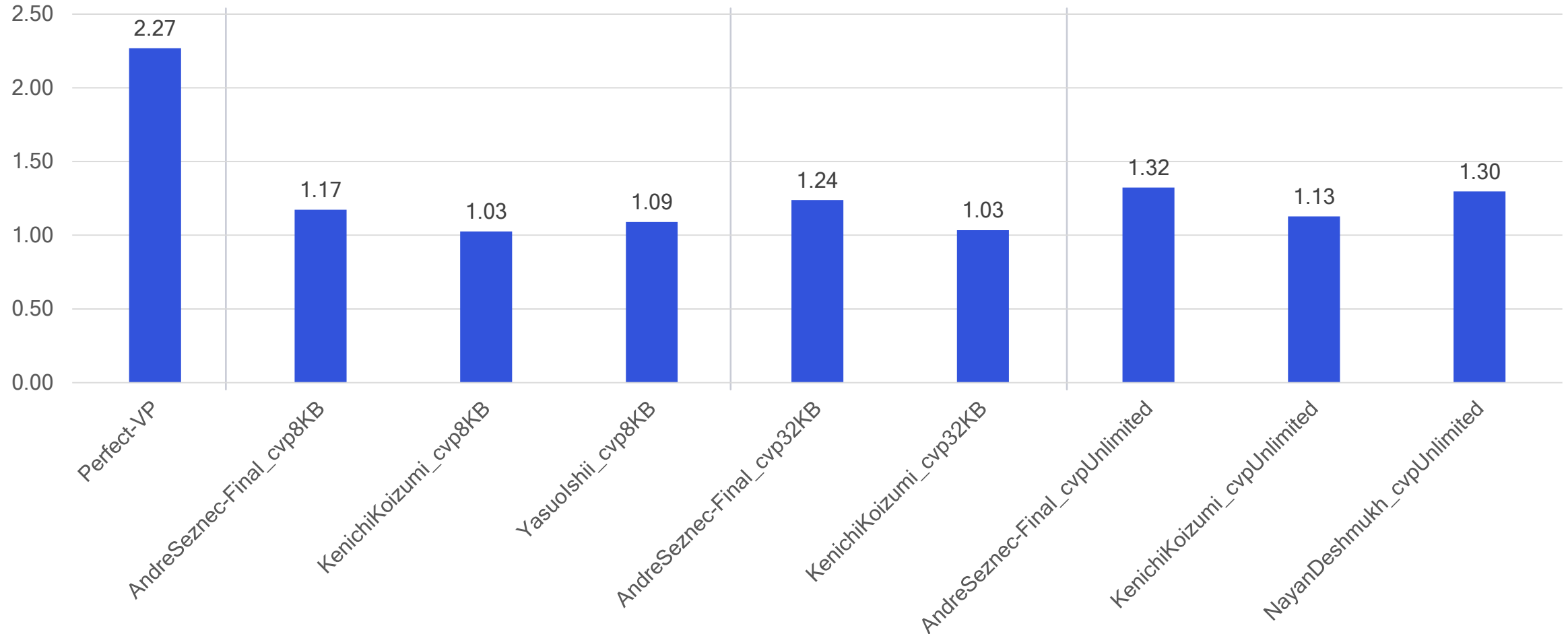
Crypto, Speedup S-curve (Best, 32KB)

Crypto, Speedup S-curve (Best, 8KB)

Secret Traces

Geomean Speedup on Secret Traces (Total of 2013 Traces)

1st Championship Value Prediction Workshop (CVP-1)

8 KB, Unlimited Track – THIRD PLACE

32KB Track – SECOND PLACE

H3VP: History-based high-reliable hybrid value predictor

by

Kenichi Koizumi, Kei Hiraki and Mary Inaba

1st Championship Value Prediction Workshop (CVP-1)

8 KB - SECOND PLACE

Context-Base Computational Value Predictor with Value Compression

by

Yasuo Ishii

1st Championship Value Prediction Workshop (CVP-1)

Unlimited – SECOND PLACE

DFCM++: Augmenting DFCM with Early Updated and Data Dependency-driven VALUE ESTIMATION

by

Nayan Deshmukh, Snehil Verma, Prakhar Agrawal, Biswabandan Panda and Mainak Chaudhuri

1ˢᵗ Championship Value Prediction Workshop (CVP-1)

8KB, 32KB, Unlimited – FIRST PLACE

Exploring Value Prediction with the EVES predictor

by

André Seznec

With Many Thanks To :

- CVP PC Chair, Mikko Lipasti, and PC members

- CVP Steering Committee :
  ◦ Alaa Alameldeen
  ◦ Chris Wilkerson

- CVP Panelists : Profs. Sohi, Moshovos, Mendelson, Jiménez and Chris Wilkerson

- CVP Contestants

- My colleagues in CVP organizing committee: Rami Sheikh, Eric Rotenberg, Vinesh Srinivasan

- Lizhong Chen, ISCA's workshop chair, and ISCA for having us

Qualcomm

Thank you

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