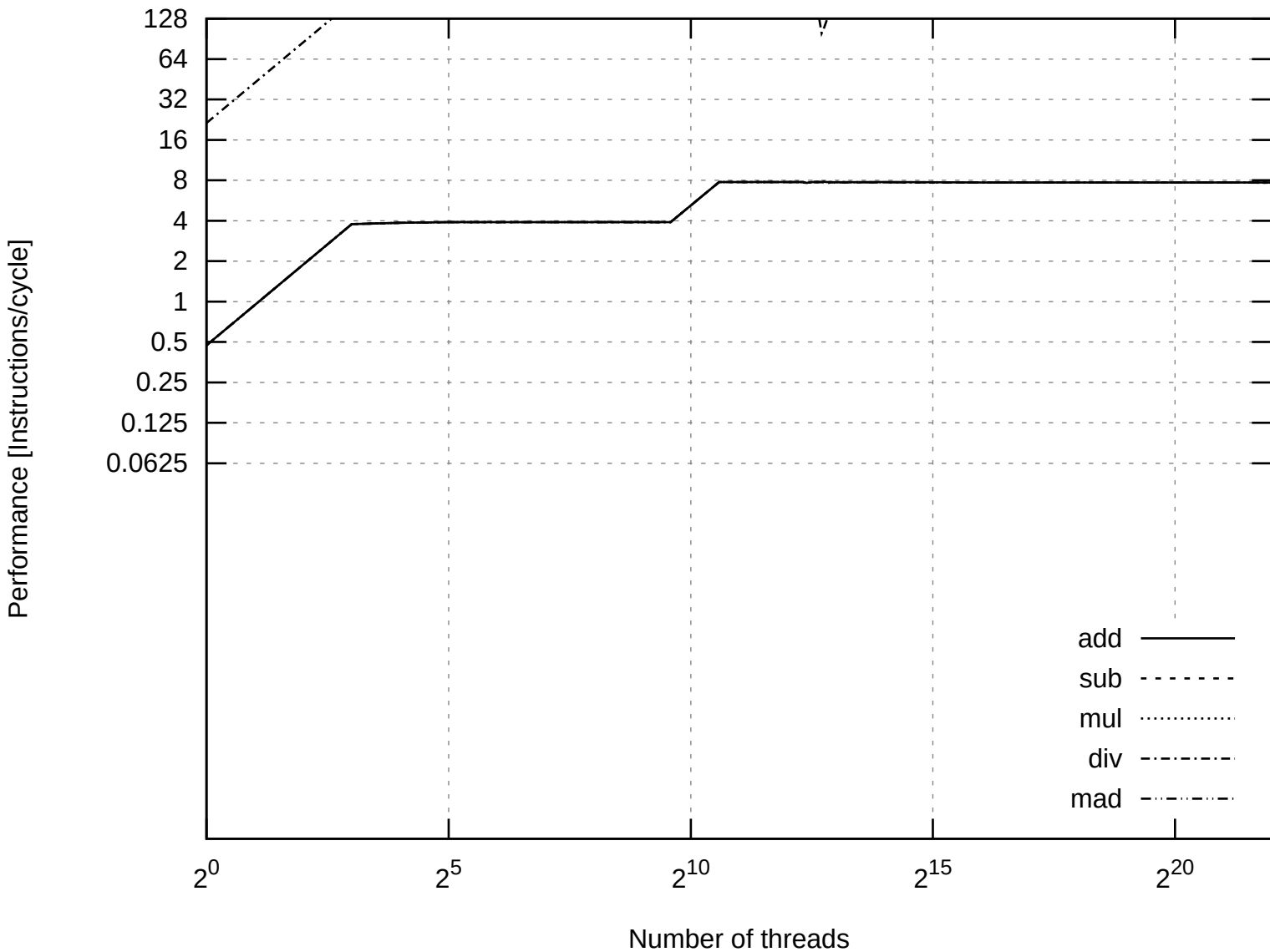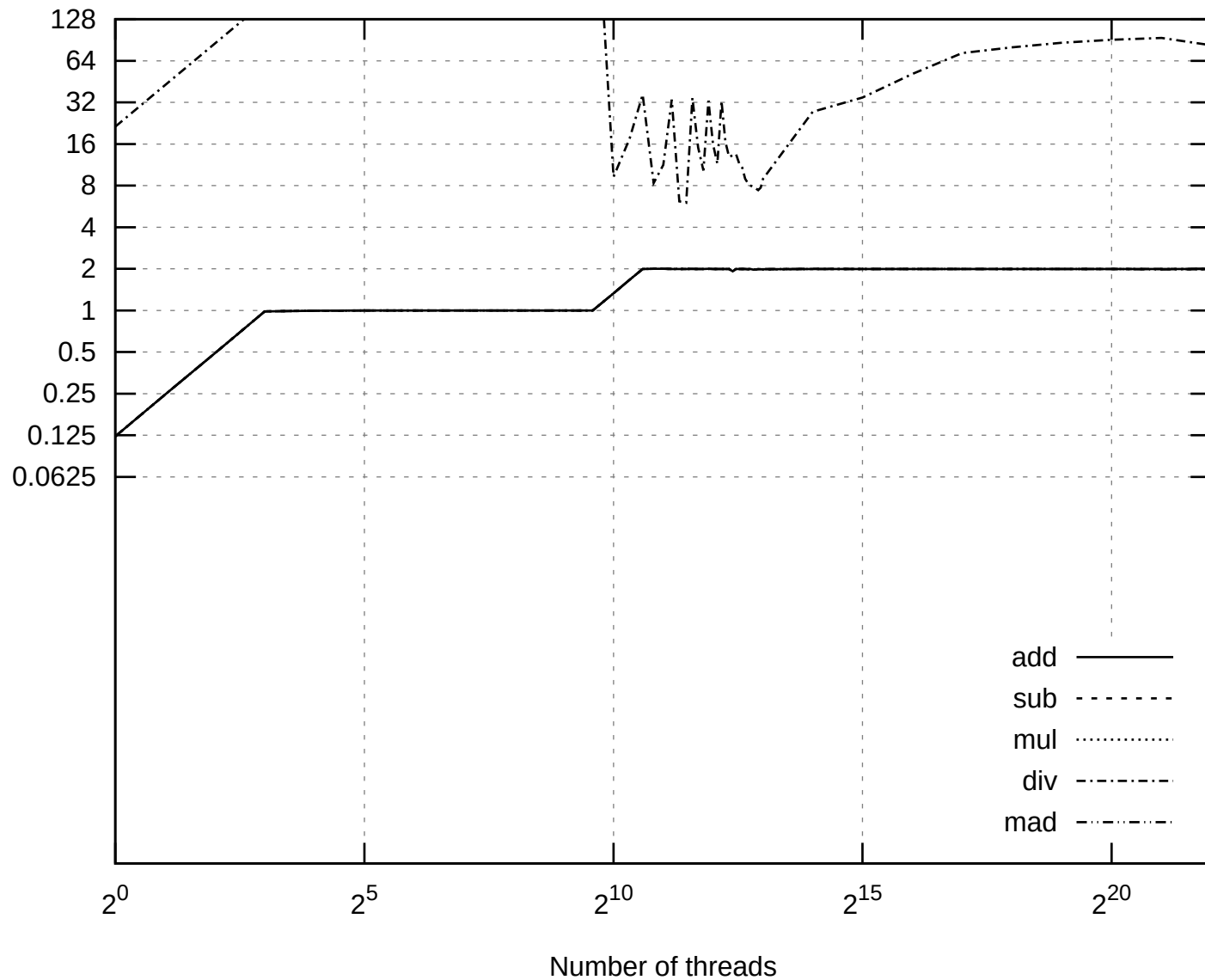Operation Comparison - Scalar SP (Loop kernel)

Operation Comparison - Vect2 SP (Loop kernel)

Performance [Instructions/cycle] vs Number of threads

Legend:
- add
- sub
- mul
- div
- mad

Operation Comparison - Vect4 SP (Loop kernel)

Operation Comparison - Vect8 SP (Loop kernel)

Performance [Instructions/cycle]

Number of threads

add ———
sub -------
mul ············
div —·—·—
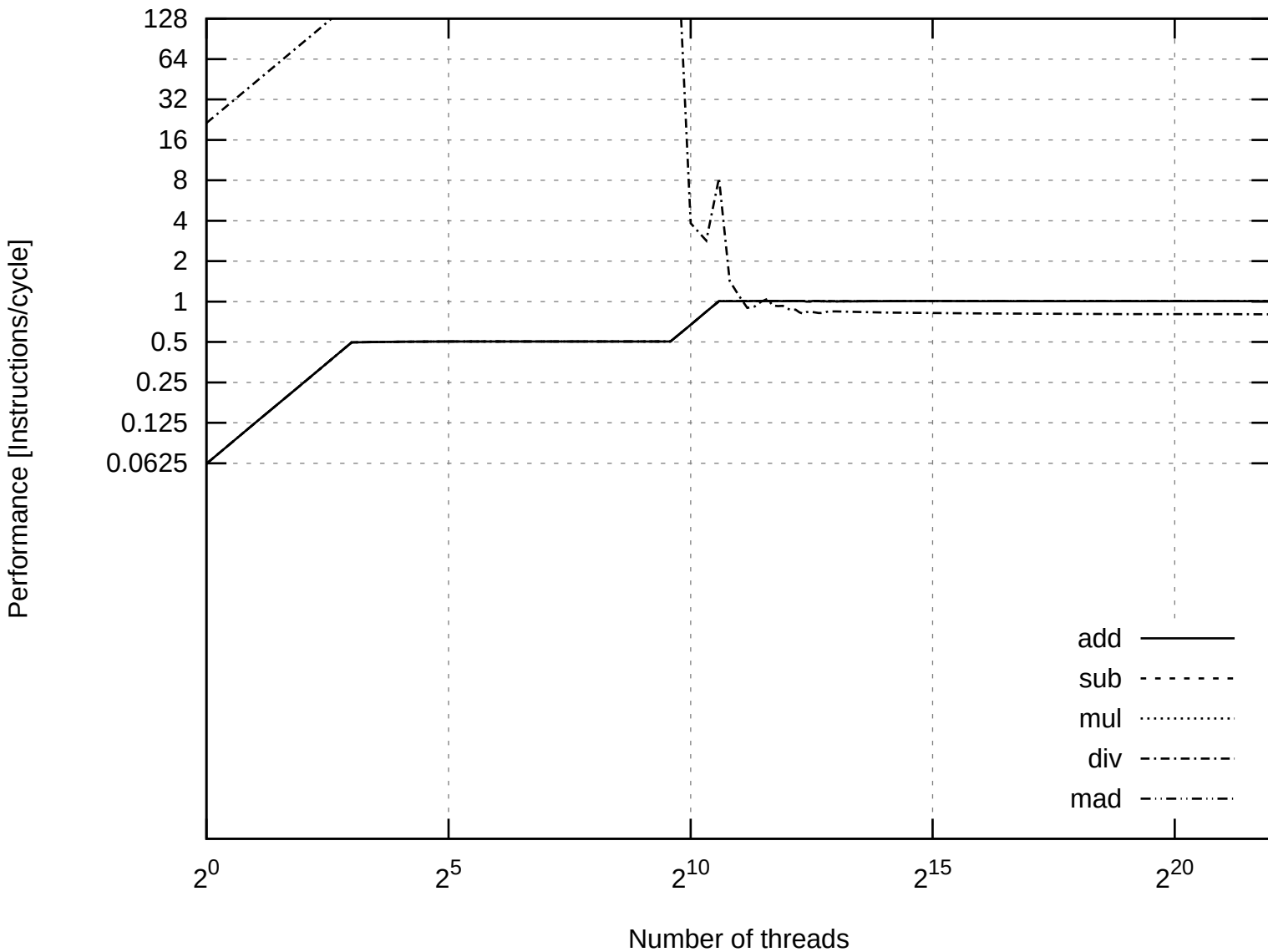mad —··—··—

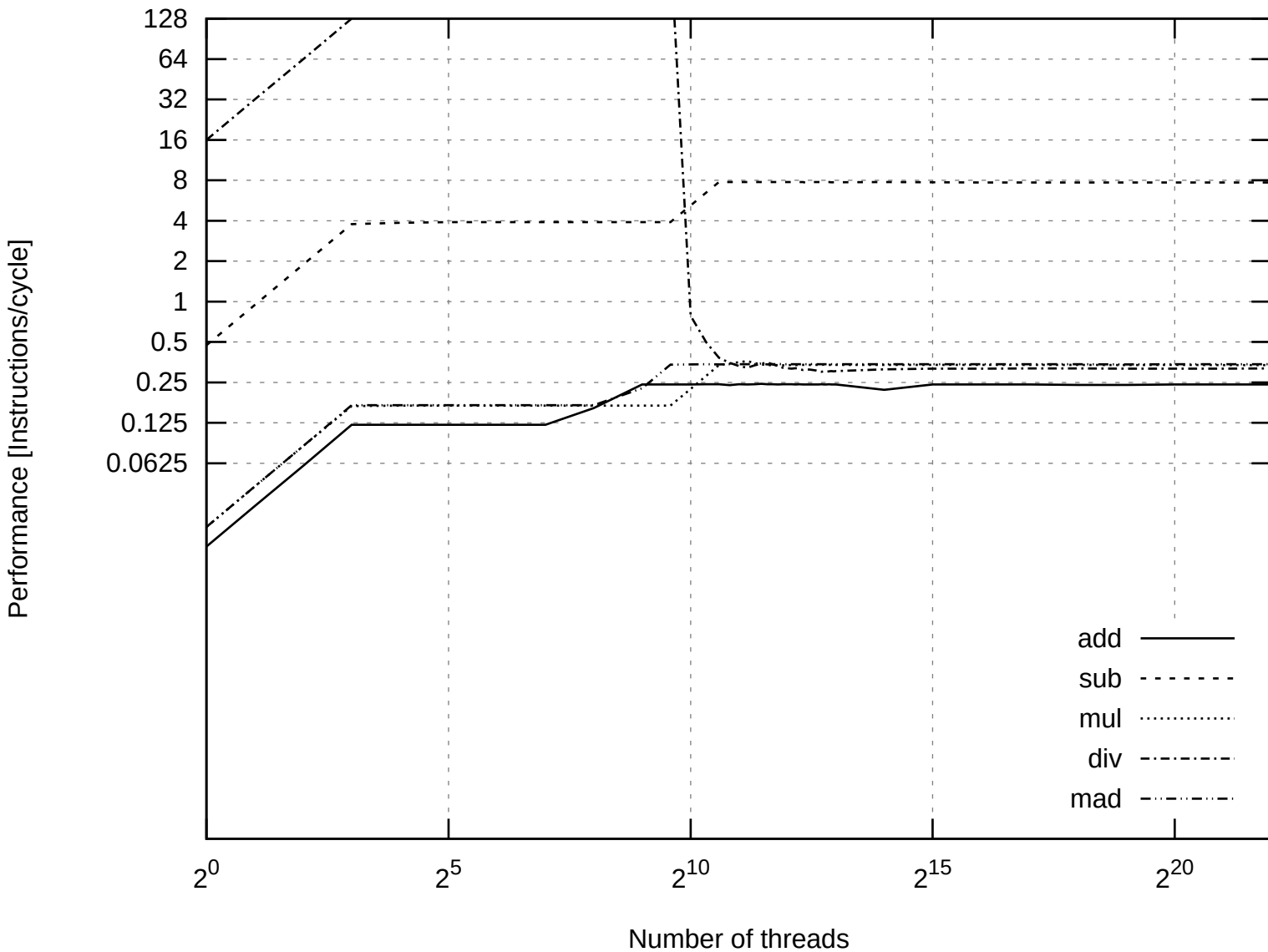Operation Comparison - Vect16 SP (Loop kernel)

Operation Comparison - Scalar DP (Loop kernel)

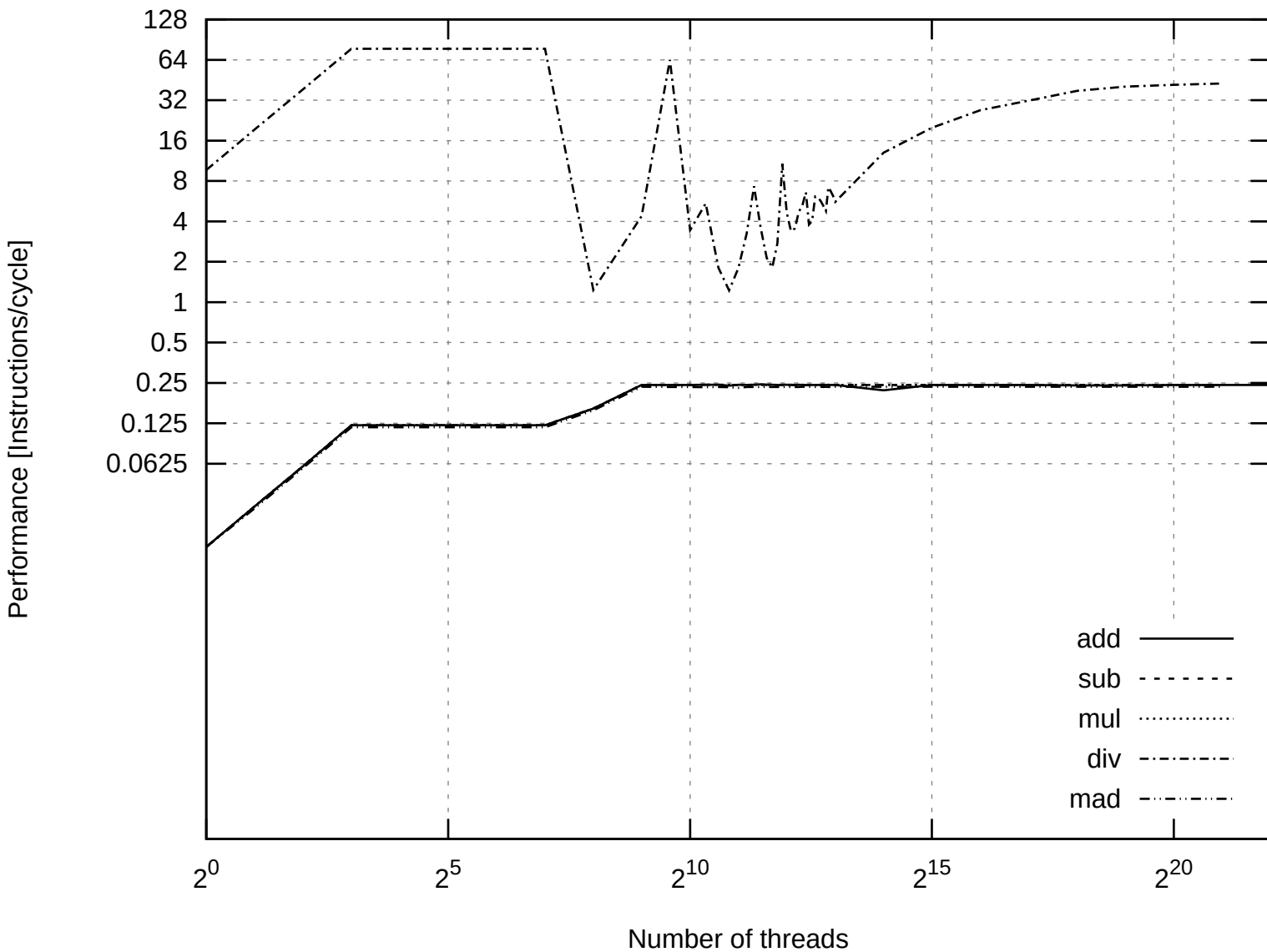Operation Comparison - Vect2 DP (Loop kernel)

Operation Comparison - Vect4 DP (Loop kernel)

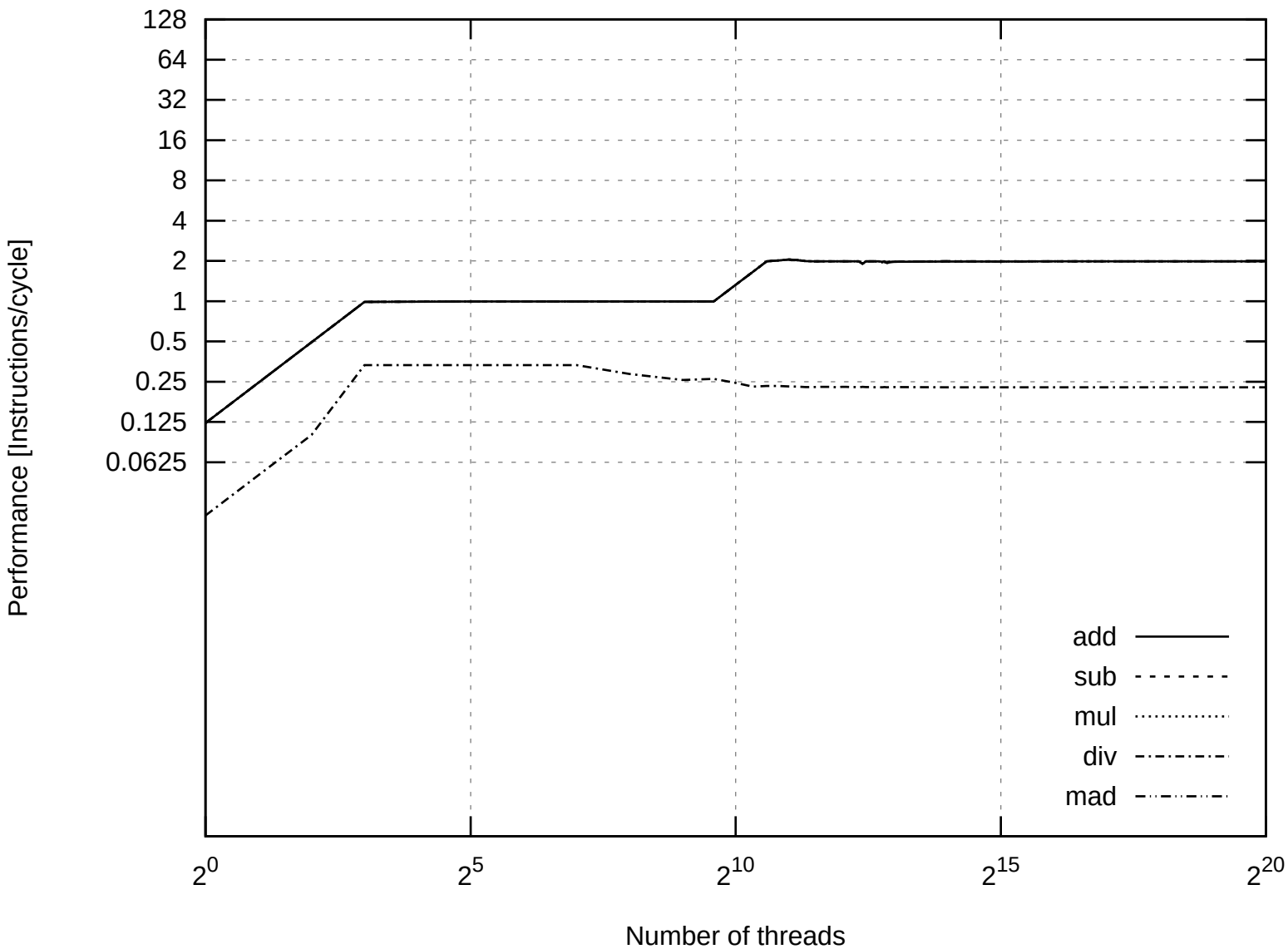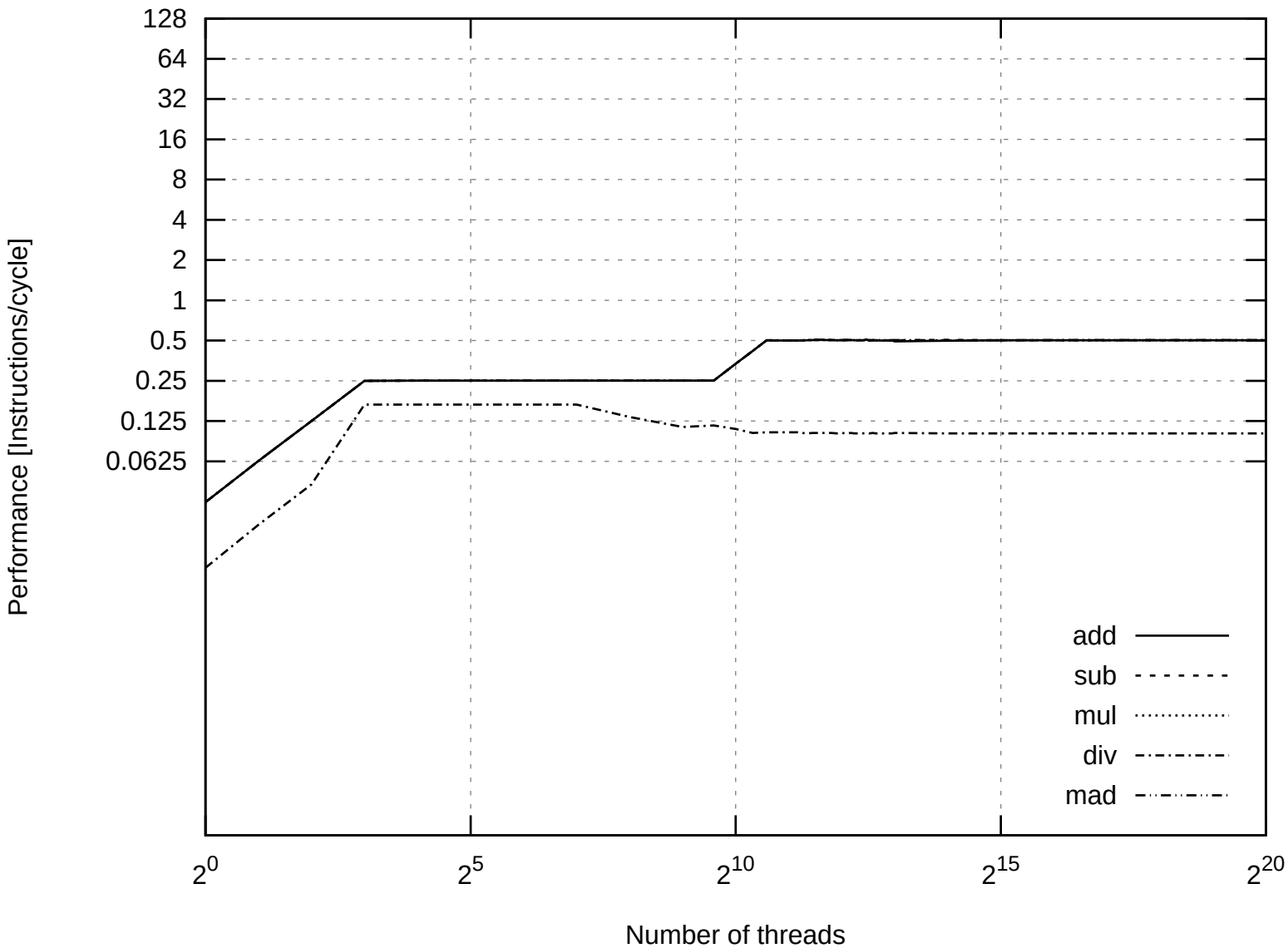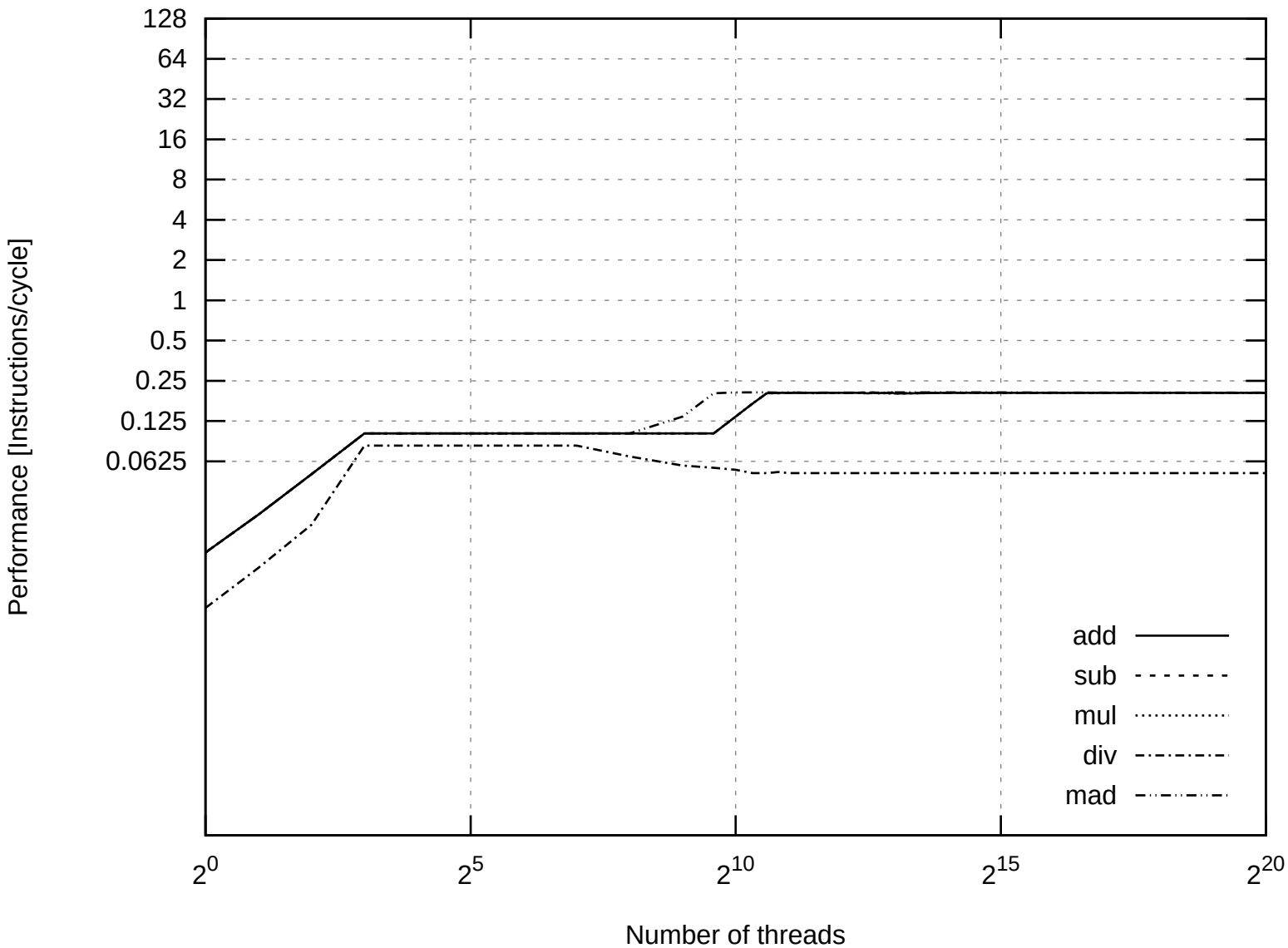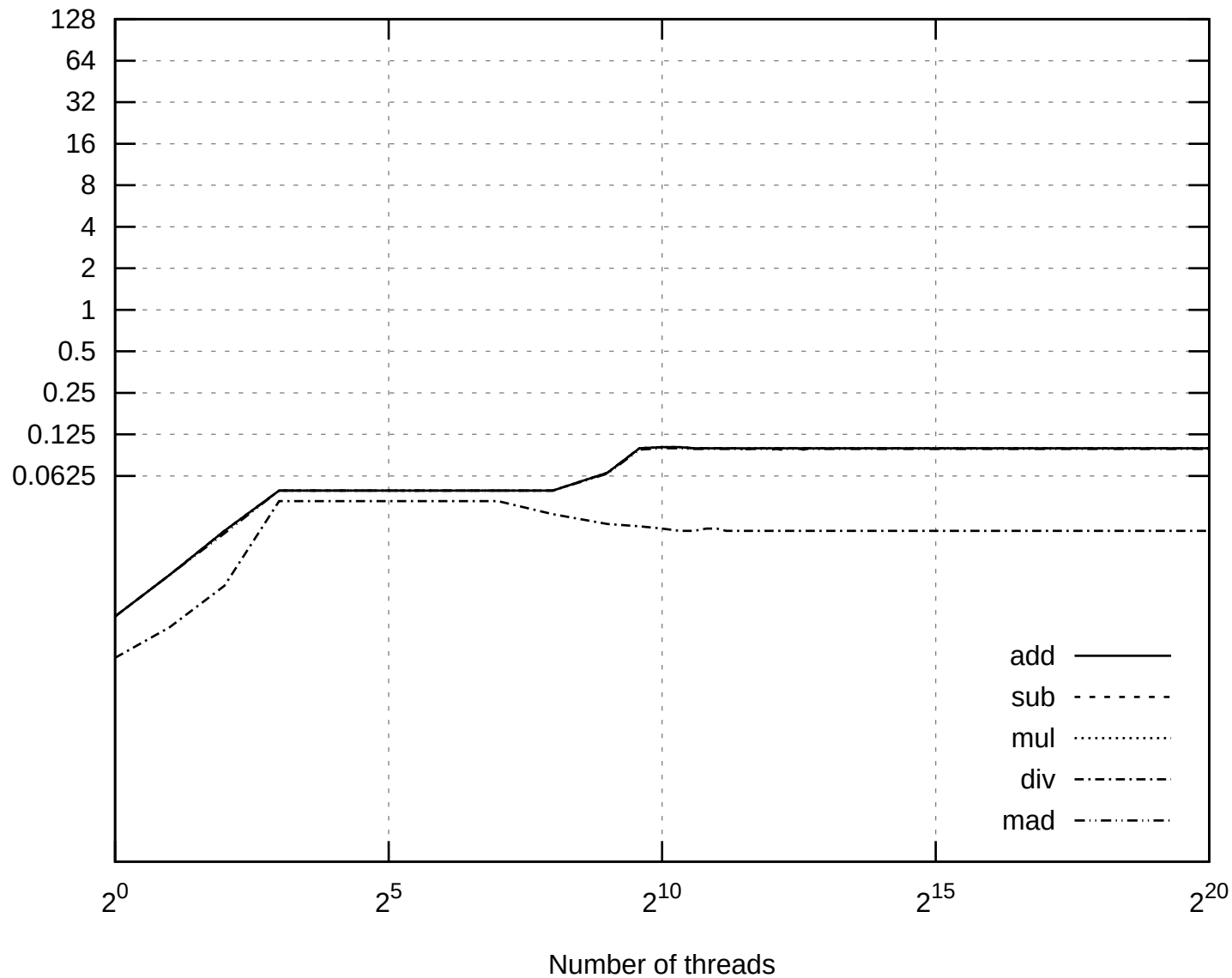Operation Comparison - Vect8 DP (Loop kernel)

Operation Comparison - Vect16 DP (Loop kernel)

Performance [Instructions/cycle]

Number of threads

add ———
sub − − −
mul ············
div −·−·−
mad −··−··−