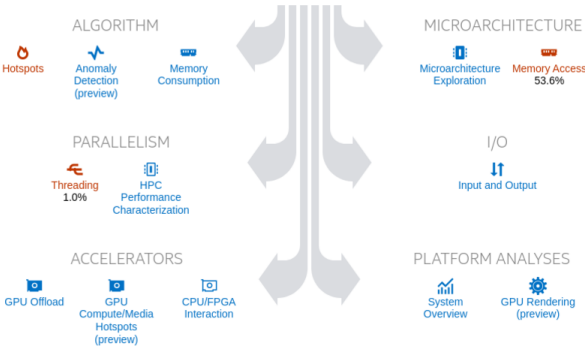


### Choose your next analysis type

Select a highlighted recommendation based on your performance snapshot.



### Collection and Platform Info

This section provides information about this collection, including result set size and collection platform data.

Application Command Line: ./heat "test.dat"

Operating System: 5.3.18-150300.59.63-default NAME="SLES" VERSION="15-SP3" VERSION\_ID="15.3" PRETTY\_NAME="SUSE Linux Enterprise Server 15 SP3" ID="sles" ID\_LIKE="suse" ANSI\_COLOR="0;32" CPE\_NAME="cpe:/o:suse:sles:15:sp3" DOCUMENTATION\_URL="https://documentation.suse.com/"

Computer Name: i01r01c02s07

Result Size: 3.7 MB

Collection start time: 16:15:14 26/04/2024 UTC

Collection stop time: 16:15:22 26/04/2024 UTC

### Elapsed Time: 7.853s

IPC: 0.790

SP GFLOPS: 0.000

DP GFLOPS: 2.851

x87 GFLOPS: 0.000

Average CPU Frequency: 2.3 GHz

### Logical Core Utilization: 1.0% (0.996 out of 96)

### Microarchitecture Usage: 25.6% of Pipeline Slots

### Memory Bound: 53.6% of Pipeline Slots

### Vectorization: 99.8% of Packed FP Operations

Instruction Mix:

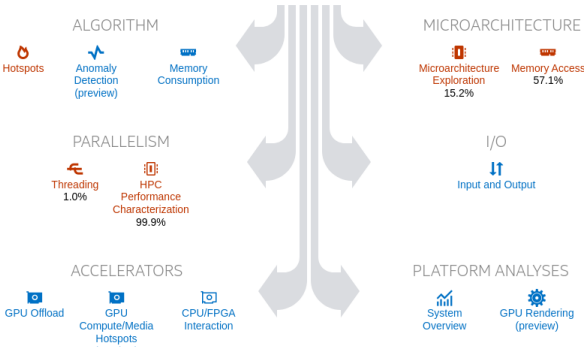
- SP FLOPs: 0.0% of uOps
  - Packed: 0.0% from SP FP
  - Scalar: 100.0% from SP FP
- DP FLOPs: 30.5% of uOps
  - Packed: 99.8% from DP FP
    - 128-bit: 0.0% from DP FP
    - 256-bit: 99.8% from DP FP
    - 512-bit: 0.0% from DP FP
  - Scalar: 0.2% from DP FP
- x87 FLOPs: 0.0% of uOps
- Non-FP: 69.5% of uOps

FP Arith/Mem Rd Instr. Ratio: 1.126

FP Arith/Mem Wr Instr. Ratio: 7.828

### Choose your next analysis type

Select a highlighted recommendation based on your performance snapshot.



### Collection and Platform Info

This section provides information about this collection, including result set size and collection platform data.

Application Command Line: ./heat "test.dat"

Operating System: 5.3.18-150300.59.63-default NAME="SLES" VERSION="15-SP3" VERSION\_ID="15.3" PRETTY\_NAME="SUSE Linux Enterprise Server 15 SP3" ID="sles" ID\_LIKE="suse" ANSI\_COLOR="0;32" CPE\_NAME="cpe:/o:suse:sles:15:sp3" DOCUMENTATION\_URL="https://documentation.suse.com/"

Computer Name: i01r01c02s07

Result Size: 3.9 MB

Collection start time: 16:31:24 26/04/2024 UTC

Collection stop time: 16:32:01 26/04/2024 UTC

### Elapsed Time: 36.377s

IPC: 0.628

SP GFLOPS: 0.000

DP GFLOPS: 0.618

x87 GFLOPS: 0.000

Average CPU Frequency: 2.3 GHz

### Logical Core Utilization: 1.0% (0.996 out of 96)

### Microarchitecture Usage: 15.2% of Pipeline Slots

### Memory Bound: 57.1% of Pipeline Slots

### Vectorization: 99.9% of Packed FP Operations

Instruction Mix:

- SP FLOPs: 0.0% of uOps
  - Packed: 0.0% from SP FP
  - Scalar: 100.0% from SP FP
- DP FLOPs: 22.2% of uOps
  - Packed: 99.9% from DP FP
    - 128-bit: 99.9% from DP FP
    - 256-bit: 0.0% from DP FP
    - 512-bit: 0.0% from DP FP
  - Scalar: 0.1% from DP FP
- x87 FLOPs: 0.0% of uOps
- Non-FP: 77.8% of uOps

FP Arith/Mem Rd Instr. Ratio: 0.724

FP Arith/Mem Wr Instr. Ratio: 2.634