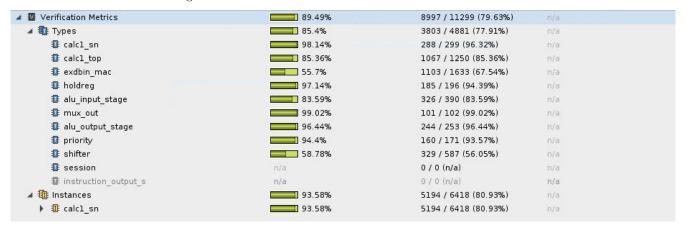
## Coverage Report

## Jacob Halsey

## Code Coverage

The testbench has 89% coverage of the calc1 code:



## **Functional Coverage**

The functional coverage is defined in coverage.e as follows:

```
cover instruction_executed is {
  item cmd_in: uint (bits:4) = input.cmd_in;
  item din1_high: uint (bits:32) = input.din1 using ranges = {range([0..MAX_UINT], "", 0xFFFFFF, 1)};
  item din2_high: uint (bits:32) = input.din2 using ranges = {range([0..MAX_UINT], "", 0xFFFFFF, 1)};
  item din1_low: uint (bits:8) = input.din1 & 0xFF using ranges = {range([0..255], "", 4, 1)};
  item din2_low: uint (bits:8) = input.din2 & 0xFF using ranges = {range([0..255], "", 4, 1)};
  item port_number;
  cross cmd_in, din1_high, din2_high, din1_low, din2_low, port_number;
};
```

And has results of 99% coverage:

