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| No. | Kernel | DAG Expression |
| 1 | chebyshev | out = (x \* (x \*(16 \* x2 – 20) \* x + 5)) |
| 2 | sgfilter | out = (x \* (x \*(7 \* x – 76 \* y + 7) + y \* (92 \* y – 39) + 7) – y \* (y \*(984 \* y + 46) + 46) – 75) |
| 3 | mibench | out = (x \* (x + 2 \* y + 6 \* z + 43) + y \* (y + 6 \* z + 43) + z \* (9 \* z + 1)) |
| 4 | qspline | out = (z \* u4 + 4 \* a \* u3 \* v + 6 \* b \* u2 \* v2 + 4 \* w \* v3 \* u + q \* v4) |
| 5 | poly(degree-2) | out = a \* x2 + b \* x + c |
| 6 | poly(degree-3) | out = a \* x3 + b \* x2 + c \* x + d |
| 7 | fft | out0 = (in0 – (in1 \* in2 + in3 \* in4))  out1 = (in0 + (in1 \* in2 + in3 \* in4))  out2 = (in5 – (in1 \* in4 + in3 \* in2))  out3 = (in5 – (in1 \* in4 + in3 \* in2)) |
| 8 | kmeans | out = (in0 – in1)2 + (in2 – in3)2 + (in4 – in5)2  + (in6 – in7)2 + (in8 – in9)2 + (in10 – in11)2 +  (in12 – in13)2 + (in14 – in15)2 |
| 9 | mm | out = (in0 \* in1) + (in2 \* in3) + (in4 \* in5)+ (in6 \* in7) + (in8 \* in9) + (in10 \* in11) +  (in12 \* in13) + (in14 \* in15) |
| 10 | mri | out0 = (in6 \* (in0 \* in1 + in2 \* in3 + in4 \* in5) + in7) \* (in 9| in10)  out1 = (in6 \* (in0 \* in1 + in2 \* in3 + in4 \* in5) + in8) \* (in 9| in10) |
| 11 | spmv | out0 = (in0 \* in1) + (in2 \* in3) + (in4 \* in5)+ (in6 \* in7)  out1 = (in8 \* in9) + (in10 \* in11) + (in12 \* in13) + (in14 \* in15) |
| 12 | stencil | out0 = (in0 + in1 + in2 + in3 + in4 + in5) \* in6 - in7  out1= (in8 + in9 + in10 + in11 + in12 + in13) \* in6 – in14 |