Baseline

latency   DSP
507   27

array-partition factor = 3
loop unroll factor = 6

latency   DSP
263   66

array-partition factor = 3
loop unroll factor = 6
pipeline II = 1 rewind ⇒ put in first loop

latency DSP
127   93

array-partition factor = 3
loop unroll factor = 6
pipeline II = 1 rewind ⇒ out of loop

latency   DSP
56   300
⇓
use m-axi instead of s-axilite
latency   DSP
132   1323
⇐

array-partition factor = 3
loop unroll factor = 6
pipeline II = 1 rewind ⇒ out of loop
use ap-none instead of s-axilite   ⇒ array-partition complete

latency   DSP   latency   DSP
27   777   ⇓   33   1203
                         dim = 2   ⇓
                    latency DSP
                    28   831