This XML file does not appear to have any style information associated with it. The document tree is shown below.

− **\<root\>**
  − **\<simulation\>**
      **\<result_generated_time**/\>
      2020-08-18 10:58:09
    − **\<layer\>**
        **\<layer_spec**/\>
        {'B': 1, 'K': 384, 'C': 192, 'OY': 13, 'OX': 13, 'IY': 15, 'IX': 15, 'FY': 3, 'FX': 3, 'SY': 1, 'SX': 1, 'SFY': 1, 'SFX': 1}
        **\<total_MAC_operation**/\>
        112140288
        **\<total_data_size_element**/\>
        {'W': 663552, 'I': 43200, 'O': 64896}
      **\</layer\>**
    − **\<hw_spec\>**
      − **\<PE_array\>**
          **\<precision_bit**/\>
          {'W': 16, 'I': 16, 'O_partial': 16, 'O_final': 16}
          **\<array_size**/\>
          {'Col': 14, 'Row': 12}
        **\</PE_array\>**
      − **\<memory_hierarchy\>**
        − **\<mem_name_in_the_hierarchy\>**
            **\<W**/\>
            ['rf512', 'sram128kb', 'sram16Mb']
            **\<I**/\>
            ['rf512', 'sram128kb', 'sram16Mb']
            **\<O**/\>
            ['rf512', 'sram16kb', 'sram16Mb']
          **\</mem_name_in_the_hierarchy\>**
          **\<mem_size_bit**/\>
          {'W': [512.0, 524288.0, 16777216], 'I': [512.0, 524288.0, 16777216], 'O': [512.0, 65536.0, 16777216]}
          **\<mem_bw_bit_per_cycle_or_mem_wordlength**/\>
          {'W': [[32.0, 32.0], [128.0, 128.0], [128, 128]], 'I': [[32.0, 32.0], [128.0, 128.0], [128, 128]], 'O': [[32.0, 32.0], [128.0, 128.0], [128, 128]]}
          **\<mem_access_energy_per_word**/\>
          {'W': [[1.858, 2.573], [38.176, 41.952], [240, 240]], 'I': [[1.858, 2.573], [38.176, 41.952], [240, 240]], 'O': [[1.858, 2.573], [16.356, 17.804], [240,

240]]}
**\<mem_type/>**
{'W': ['dp_sb', 'dp_sb', 'dp_sb'], 'I': ['dp_sb', 'dp_sb', 'dp_sb'], 'O': ['dp_sb', 'dp_sb', 'dp_sb']}
**\<mem_share/>**
{1: [('O', 'sram16Mb'), ('I', 'sram16Mb'), ('W', 'sram16Mb')]}
**\<mem_area_single_module/>**
{'W': [2847.0, 127880.0, 1000000], 'I': [2847.0, 127880.0, 1000000], 'O': [2847.0, 20636.0, 1000000]}
**\<mem_unroll/>**
{'W': [156, 1, 1], 'I': [156, 1, 1], 'O': [156, 1, 1]}
**\</memory_hierarchy>**
**\</hw_spec>**
− **\<results>**
  − **\<basic_info>**
    − **\<spatial_unrolling>**
      **\<W/>**
      [[], [[('OY', 13)], [('FY', 3), ('C', 4)]], [], []]
      **\<I/>**
      [[], [[('OY', 13)], [('FY', 3), ('C', 4)]], [], []]
      **\<O/>**
      [[], [[('OY', 13)], [('FY', 3), ('C', 4)]], [], []]
    **\</spatial_unrolling>**
    − **\<temporal_mapping>**
      **\<W/>**
      [[('OX', 13), ('K', 4), ('C', 2), ('FX', 3)], [('K', 6), ('C', 12)], [('K', 16), ('C', 2)]]
      **\<I/>**
      [[('OX', 13), ('K', 4), ('C', 2), ('FX', 3), ('K', 6)], [('C', 12), ('K', 16)], [('C', 2)]]
      **\<O/>**
      [[], [('OX', 13), ('K', 4), ('C', 2), ('FX', 3), ('K', 6), ('C', 12)], [('K', 16), ('C', 2)]]
    **\</temporal_mapping>**
  **\</basic_info>**
  − **\<energy>**
    **\<total_energy/>**
    2254581115.6
    − **\<energy_breakdown>**
      **\<mem_energy_W/>**
      [8867377.2, 6646136.8, 19906560.0]
      **\<mem_energy_I/>**
      [105067556.4, 3524947.2, 1296000.0]
      **\<mem_energy_O/>**

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            [269006931.6, 40180358.4, 5840640.0]
          </energy_breakdown>
          <mac_energy/>
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        </energy>
      − <performance>
          <mac_array_utilization/>
          0.4644
          <latency/>
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        </performance>
        <area/>
        2711284.0
      </results>
      <elapsed_time_second/>
      425.125
    </simulation>
  </root>
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