```
Energy = LoopRuntime × Power(AccelConfig)

EnergyDelayProduct = LoopRuntime × Energy
```

LoopRuntime = CommuTime + CompuTime $CommuTime = (DMALat(GroupIn) + DMALat(GroupOut)) \times GroupPerLoop$ $CompuTime = GroupPerLoop \times DFGPerGroup \times DFGLat \times ImplFreq$

```
[DFGLat, DataMem, InstMem] = Scheduling(Row, Col, Unrolling)
InBuffer \geq GroupIn, OutBuffer \geq GroupOut
InAddrPuffer \geq DECIn \times DECPerCroup
```

 $InAddrBuffer \ge DFGIn \times DFGPerGroup$ $OutAddrBuffer \ge DFGIn \times DFGPerGroup$ $Resource(DataMem, InstMem, InBuffer, OutBuffer, InAddrBuffer, OutAddrBuffer, Row, Col) \le ResourceBudget$

Most parameters can be modeled easily.