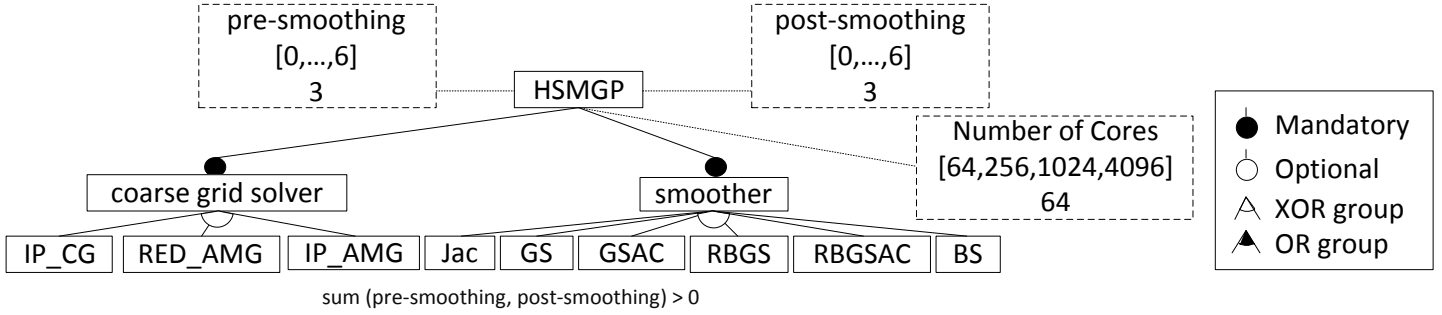


Interview I (HSMGP)



(round 9, error 18.27)

$$\begin{aligned}
 & + 310.0 \cdot \text{root} & + 200.0 \cdot \text{Smoother_GSACBE} \\
 & - 120.0 \cdot \text{Smoother_GS} & - 120.0 \cdot \text{Smoother_JAC} \\
 & - 160.0 \cdot \text{Smoother_GSAC} & - 13.0 \cdot \text{CGS_IP_AMG} \\
 & + 4.2 \cdot \text{pre} \cdot \text{pre} & + 310.0 \cdot \text{Smoother_GSACBE} \cdot \text{post} \\
 & + 45.0 \cdot \text{Smoother_GSACBE} \cdot \text{pre} \cdot \text{pre} & + 3.6 \cdot \text{Smoother_GSAC} \cdot \text{post} \cdot \text{post}
 \end{aligned}$$

(round 13, error 7.17)

$$\begin{aligned}
 & + 150.0 \cdot \text{root} & - 30.0 \cdot \text{Smoother_GSACBE} \\
 & - 120.0 \cdot \text{Smoother_GS} & - 120.0 \cdot \text{Smoother_JAC} \\
 & - 85.0 \cdot \text{Smoother_GSAC} & - 13.0 \cdot \text{CGS_IP_AMG} \\
 & + 28.0 \cdot \text{post} & + 27.0 \cdot \text{pre} \\
 & + 1.4 \cdot \text{pre} \cdot \text{pre} & + 300.0 \cdot \text{Smoother_GSACBE} \cdot \text{post} \\
 & + 310.0 \cdot \text{Smoother_GSACBE} \cdot \text{pre} & + 0.0027 \cdot \text{post} \cdot \text{numCore} \\
 & - 1.8 \cdot \text{Smoother_GSACBE} \cdot \text{pre} \cdot \text{pre} & - 0.90 \cdot \text{Smoother_GSAC} \cdot \text{post} \cdot \text{post}
 \end{aligned}$$

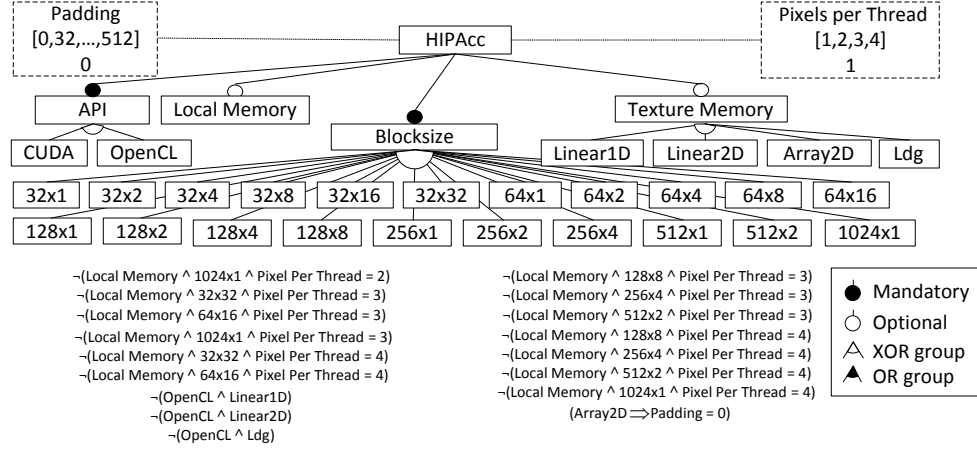
(round 19, error 2.83)

$$\begin{aligned}
 & + 120.0 \cdot \text{root} & + 13.0 \cdot \text{Smoother_GSACBE} \\
 & - 31.0 \cdot \text{Smoother_GS} & - 26.0 \cdot \text{Smoother_JAC} \\
 & - 11.0 \cdot \text{Smoother_GSAC} & - 17.0 \cdot \text{CGS_IP_AMG} \\
 & + 21.0 \cdot \text{post} & + 18.0 \cdot \text{pre} \\
 & + 1.8 \cdot \text{pre} \cdot \text{pre} & + 290.0 \cdot \text{Smoother_GSACBE} \cdot \text{post} \\
 & + 320.0 \cdot \text{Smoother_GSACBE} \cdot \text{pre} & + 0.0027 \cdot \text{post} \cdot \text{numCore} \\
 & + 19.0 \cdot \text{pre} \cdot \text{Smoother_GSRBAC} & + 12.0 \cdot \text{pre} \cdot \text{Smoother_GSRB} \\
 & + 2.0 \cdot \text{post} \cdot \text{post} & - 1.6 \cdot \text{Smoother_GSACBE} \cdot \text{pre} \cdot \text{pre} \\
 & - 2.1 \cdot \text{Smoother_GSAC} \cdot \text{post} \cdot \text{post} & - 0.41 \cdot \text{CGS_IP_AMG} \cdot \text{pre} \cdot \text{pre} \\
 & - 2.5 \cdot \text{Smoother_GS} \cdot \text{post} \cdot \text{post} & - 2.4 \cdot \text{Smoother_JAC} \cdot \text{post} \cdot \text{post}
 \end{aligned}$$

Complexity

$$\begin{aligned}
 & 2.0 \cdot \text{Smoother_JAC} \\
 & \quad 2.0 \cdot \text{pre} \cdot \text{post} \\
 & 2.0 \cdot \text{Smoother_JAC} \cdot \text{pre} \cdot \text{post} \\
 & 2.0 \cdot \text{Smoother_JAC} \cdot \text{pre} \cdot \text{post} \cdot \text{numCores}
 \end{aligned}$$

Interview II (HIPACC)



(round 2, error 14.67)

$$+ 26.0 \cdot \text{root} + 15.0 \cdot \text{bs}_{1024x1} + 13.0 \cdot \text{LocalMemory}$$

(round 9, error 6.93)

$$+ 27.0 \cdot \text{root} + 18.0 \cdot \text{bs}_{1024x1} + 15.0 \cdot \text{LocalMemory} + 11.0 \cdot \text{bs}_{512x2} + 19.0 \cdot \text{bs}_{32x1} + 8.4 \cdot \text{bs}_{256x4} + 7.4 \cdot \text{bs}_{32x32} + 7.1 \cdot \text{bs}_{128x8} + 7.0 \cdot \text{bs}_{64x16} - 1.1 \cdot \text{pixelPerThread};$$

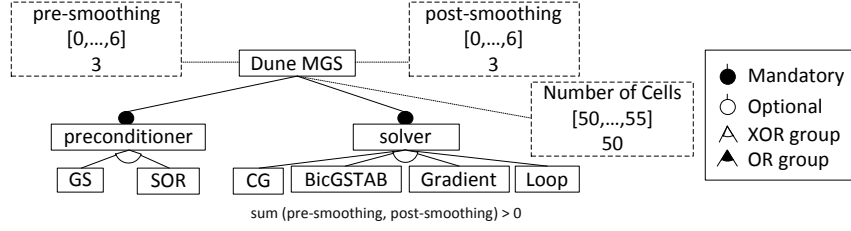
(round 27, error 3.11)

$$+ 27.0 \cdot \text{root} - 2.3 \cdot \text{bs}_{1024x1} + 30.0 \cdot \text{LocalMemory} - 3.9 \cdot \text{bs}_{512x2} + 60.0 \cdot \text{bs}_{32x1} + 8.0 \cdot \text{bs}_{256x4} + 7.0 \cdot \text{bs}_{32x32} + 6.8 \cdot \text{bs}_{128x8} + 6.7 \cdot \text{bs}_{64x16} - 1.7 \cdot \text{pixelPerThread} + 2.7 \cdot \text{bs}_{512x1} + 0.29 \cdot \text{Array2D} - 1.7 \cdot \text{bs}_{64x2} + 0.55 \cdot \text{bs}_{256x2} - 2.1 \cdot \text{bs}_{32x4} - 1.5 \cdot \text{bs}_{128x2} - 1.6 \cdot \text{bs}_{64x4} - 28.0 \cdot \text{pixelPerThread} \cdot \text{bs}_{32x1} + 16.0 \cdot \text{pixelPerThread} \cdot \text{bs}_{1024x1} + 12.0 \cdot \text{pixelPerThread} \cdot \text{bs}_{512x2} - 0.56 \cdot \text{pixelPerThread} \cdot \text{bs}_{128x1} - 13.0 \cdot \text{pixelPerThread} \cdot \text{LocalMemory} + 1.0 \cdot \text{pixelPerThread} \cdot \text{Array2D}; + 3.9 \cdot \text{bs}_{32x1} \cdot \text{pixelPerThread} \cdot \text{pixelPerThread} + 0.036 \cdot \text{pixelPerThread} \cdot \text{pixelPerThread} \cdot \text{pixelPerThread} - 2.6 \cdot \text{bs}_{1024x1} \cdot \text{pixelPerThread} \cdot \text{pixelPerThread} - 2.1 \cdot \text{bs}_{512x2} \cdot \text{pixelPerThread} \cdot \text{pixelPerThread} + 2.3 \cdot \text{pixelPerThread} \cdot \text{LocalMemory} \cdot \text{pixelPerThread}$$

Complexity

$$2.0 \cdot \text{Smoother_JAC} \cdot 2.0 \cdot \text{pre} \cdot \text{post} \cdot 2.0 \cdot \text{Smoother_JAC} \cdot \text{pre} \cdot \text{post} \cdot 2.0 \cdot \text{Smoother_JAC} \cdot \text{pre} \cdot \text{post} \cdot \text{numCores}$$

Interview III (DUNE)



(round 1, error 13.74)

$$- 23000.0 \cdot root \quad + 640.0 \cdot cells$$

(round 13, error 7.26)

$$\begin{aligned}
 &+ 180000.0 \cdot root \quad - 5300.0 \cdot cells \\
 &\quad - 1000.0 \cdot post \quad + 6800.0 \cdot GradientSolver \\
 &+ 600.0 \cdot BiCGSTABSolver \quad - 110.0 \cdot cells \cdot GradientSolver \\
 &\quad + 2.6 \cdot cells \cdot pre \quad + 1.9 \cdot cells \cdot post \cdot post \\
 &+ 530.0 \cdot GradientSolver \cdot pre \cdot pre \quad + 0.70 \cdot cells \cdot cells \cdot cells \\
 &+ 380.0 \cdot GradientSolver \cdot post \cdot post \quad - 38.0 \cdot BiCGSTABSolver \cdot pre \cdot pre \\
 &- 11.0 \cdot cells \cdot GradientSolver \cdot pre \cdot pre \quad - 8.3 \cdot cells \cdot GradientSolver \cdot post \cdot post
 \end{aligned}$$

(round 25, error 3.54)

$$\begin{aligned}
 &+ 670000.0 \cdot root \quad - 19000.0 \cdot cells \\
 &\quad - 2800.0 \cdot post \quad - 5000.0 \cdot GradientSolver \\
 &+ 1200.0 \cdot BiCGSTABSolver \quad + 11000.0 \cdot pre \\
 &+ 130.0 \cdot cells \cdot GradientSolver \quad - 200.0 \cdot cells \cdot pre \\
 &\quad + 1700.0 \cdot post \cdot SeqSOR \quad - 350.0 \cdot post \cdot GradientSolver \\
 &+ 220.0 \cdot post \cdot BiCGSTABSolver \quad + 8.3 \cdot cells \cdot post \cdot post \\
 &+ 12000.0 \cdot GradientSolver \cdot pre \cdot pre \quad + 2.4 \cdot cells \cdot cells \cdot cells \\
 &- 130.0 \cdot GradientSolver \cdot post \cdot post \quad - 16.0 \cdot BiCGSTABSolver \cdot pre \cdot pre \\
 &\quad - 0.098 \cdot cells \cdot pre \cdot SeqGS \quad - 4.6 \cdot cells \cdot pre \cdot post \\
 &\quad - 270.0 \cdot post \cdot SeqSOR \cdot post \quad - 440.0 \cdot cells \cdot GradientSolver \cdot pre \cdot pre \\
 &+ 2.7 \cdot cells \cdot GradientSolver \cdot post \cdot post \quad + 2.2 \cdot cells \cdot pre \cdot post \cdot LoopSolver \\
 &+ 0.015 \cdot cells \cdot cells \cdot cells \cdot CGSolver \quad + 9.7 \cdot cells \cdot pre \cdot post \cdot SeqGS \\
 &\quad - 1.6 \cdot cells \cdot pre \cdot SeqGS \cdot post \cdot post \quad + 3.8 \cdot GradientSolver \cdot pre \cdot pre \cdot cells \cdot cells
 \end{aligned}$$

Complexity

$$\begin{aligned}
 &2.0 \cdot Smoother_JAC \\
 &\quad 2.0 \cdot pre \cdot post \\
 &\quad 2.0 \cdot Smoother_JAC \cdot pre \cdot post \\
 &2.0 \cdot Smoother_JAC \cdot pre \cdot post \cdot numCores
 \end{aligned}$$