Accuracy of the BSP-based Analytical model matMul_GM_uncoalesced matMul_GM_coalesced matMul_SM_uncoalesced 1.2 1.2 1.1 1.1 0.9-1.0 1.0 0.6 0.9-0.9 matMul_SM_coalesced matrix_sum_coalesced matrix_sum_uncoalesced 2.0-1.25 1.5 1.00 1.0 0.75 0.95 0.5 subSeqMax dotProd vectorAdd **1.4**-1.2 1.4-1.1-1.2 1.2 1.0 0.9-0.8 0.8 **GPUs** Tesla-K40 Quadro TitanX GTX-980 Tesla-K20 Titan GTX-680