

Data Layout Experiments

Architecture Comparison

<i>in</i> μ s	Σ	Allocate	LL2F	H2D	Kernel	D2H	Others	F2LL
JURON								
Initial	8040	-	567	82	84	62	350	6885
Exp 1	10435	-	353	80	82	91	380	9440
Exp 2	9695	564	527	79	83	72	108	7973
SoA	7811	1	844	66	77	53	376	6386
JUHYDRA								
Initial	4956	-	908	267	229	208	736	2600
Exp 1	4687	-	764	232	229	198	804	2455
Exp 2	5328	577	1027	224	230	192	23	2651
SoA	4880	1	786	204	208	173	827	2674

Annotations:
 - 0.6x (orange box) between JURON SoA and JUHYDRA Initial Σ
 - 3.2x (blue box) between JURON Exp 2 Kernel and JUHYDRA Initial Kernel
 - 2.8x (blue box) between JURON SoA Kernel and JUHYDRA Initial Kernel
 - 0.3x (red box) between JURON SoA F2LL and JUHYDRA SoA F2LL