age: D	etails 🔻	Result: 7-	142 - efficientTran	nsposeKernel		- V	Add Baseline ▼	Apply <u>R</u> ules 🔲 Occ	Occupancy Calculator		Save as PDF ▼		
	Result		Time	Cycles	Regs	GPU		SM Frequency	CC F	Process	Θ Θ	R	B
Curre	ent 142 - efficientTr	ansposeKe	503.58 usecond	۷۰۲'٤۲۰	17	0 - NVII	DIA GeForce RTX 3090	1.39 cycle/nsecond	8.6 [	[258893] task2			
▶ GPU Speed Of Light Throughput									All			- <u></u>	0
							. For each unit, the thro dual sub-metric of Con						
Compute (SM) Throughput [%]						15.67	Duration [usecond]					503.5	58
Memory Throughput [%]						83.07	Elapsed Cycles [cycle]				7	702,42	20
L1/TEX Cache Throughput [%]						23.49	SM Active Cycles [cycl	le]			640	,326.2	22
L2 Cache Throughput [%]						36.40	SM Frequency [cycle/r					1.3	39
DRAM Throughput [%]						83.07	DRAM Frequency [cycl	le/nsecond]				9.4	19
▶ Laui	nch Statistics	Analysis sect	ion.									ſ	Ω
							ines the size of the ken aximizes device utiliza		f the gr	id into blocks, a	ind the G	PU	
Grid Size				23,500 Function Cache Configuration				guration		cudaFuncC	achePref	erNor	ne
Registers Per Thread [register/thread]				16 Static Shared Memory Per Block [Kbyte/blo				ck]	8.45				
Block Size						1,024	Dynamic Shared Mem	ory Per Block [byte/bl	ock]				0
Threads [thread]				24,064,000 Driver Shared Memory Per Block [Kbyte/block]						1.02			
Waves Per SM						286.59	Shared Memory Config	guration Size [Kbyte]				16.3	38
▶ Occ	upancy											<b>3</b>	0
percent always	age of the hardware	s ability to pro hide latencie	ocess warps that is es, resulting in over	actively in	n use. H	Higher o	num number of possible ccupancy does not alwa ion. Large discrepancie	ays result in higher pe	rformar	nce, however, lo	w occup	ancy	
Theore	tical Occupancy [%]				66.67	Block Limit Registers [	[block]					4	
Theore	tical Active Warps p				32	Block Limit Shared Me	em [block]					1	
Achieved Occupancy [%]						62.87	Block Limit Warps [blo	ock]					1
Achieved Active Warps Per SM [warp]						30.18	Block Limit SM [block]					1	16
A	Occupancy Limiters		limited by the num				by the required amount block See the @ CUDA					у	