呂彥旻

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一、 實驗名稱

Auto Placement Routing with Innovus (APR)

二、 模擬解果與分析 (附圖)

pre-CTS Timing Analysis 圖

Setup views inclu av_func_mode_max									
Setup mode	all	reg2	reg	in2reg	r	eg2 out	in2ou	t	default
WNS () TNS () Violating Pa	ns): 0.000 ths: 0			0.010 0.000 0.000 1 0		0.043 0.000 0 9	N/A N/A N/A N/A	j	0.000 0.000 0 0
DRVs	†	Real			+ 	Tota	l	+	
DRVS	Nr nets(te	Nr nets(terms)			Nr	nets(t	L		
max_cap max_tran max_fanout max_length	0 (0) 0 (0) 0 (0) 0 (0)			, 000 , 000 0 0	 	0 (0) 21 (21 21 (21 0 (0)	· - -		

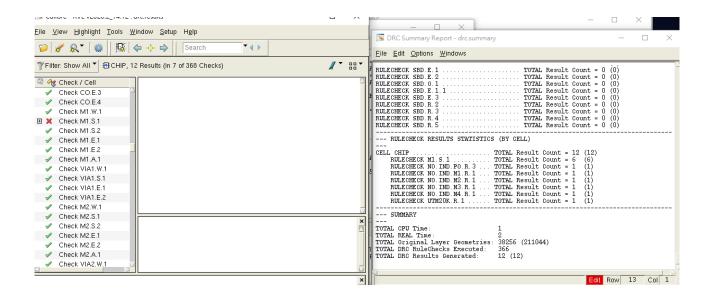
post-CTS Timing Analysis 圖

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	timeDesign Su	ummary										
av_	o views included: func_mode_max											
+ 	Setup mode	all	İ	reg2 reg	Ī	in2reg	ı	reg2out	ı	in2out	Ī	default
+ I	WNS (ns):	0.011	I	4.204	I	0.011	I	0.043	I	N/A	1	0.000
· I	TNS (ns):	0.000	I	0.000		0.000		0.000	I	N/A		0.000
' I	Violating Paths:	0	-	0		0	-	0	I	N/A	1	0
	All Paths:	36	1					9		N/A		0
-+	Ψ.		- + -		т.		-т		- +		- T	
+	+					+				+		

post-route Timing Analysis 圖

☑ vlsi_	54@islabx6:~						
檔案(F)	編輯(E) 機視(V)	搜尋(S) ※	ミ端機(T) 求助)(H)			
	timeDesign S	Summary					
	iews included: c_mode_min						
	old mode	all	reg2 reg	in2 reg	reg2out	in2out	default
Vi	WNS (ns): TNS (ns): olating Paths: All Paths:	0.000	0.184 0.000 0	0.003 0.000 0 19	1.594 0.000 0	N/A N/A N/A N/A	0.000 0.000 0 0
Density	+ : 4.463%		+		+	+	++
Total (Total F Total M	d timing to dir PU time: 1.88 s eal time: 2.0 s lemory Usage: 12 AE Options	sec sec					

DRC 結果圖:



LVS 結果圖:

