Heading Font Times New Roman of 14 Points On-Chip Center Aligned Wave-Pipelined Serial Interconnect

(A sample Template of Micro2027)

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ABSTRACT

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Keywords: Controllable inverter pair, Differential interconnect, Method of logical effort, Repeater insertion, Self-controllable, Serial link, Surfing, Wave-pipelining.

I. INTRODUCTION

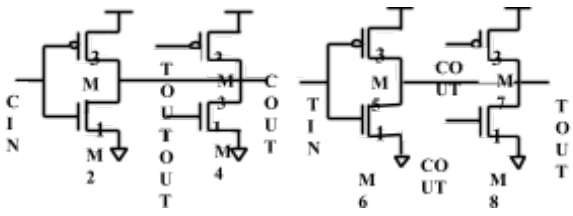
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The concluding remarks are given in Section VIxxx.

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(a) (b)

Fig. 1. Dynamic Self Controllable inverter pair
a) Surfing circuit for complement path b) Surfing circuit for true data path.

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xxThe absolute delay (D) of a circuit.. coyyying of N stages is given by [4]XX.

$$D = (N F^{1/N} + P)\,\tau \quad (1)$$

where,

F - path effort

P - parasitic delay of the path (sum of parasitic delay of each stage)

τ - technology constant (12ps for 180nm)

$$T_p = 0.69\left[R_b C_{b0ntt} + \frac{R_b}{f}.fC_b + \ldots + \frac{R_b}{f^{N-1}}.f^{N-1}C_b\right] + 0.69\frac{R_b C_w}{L}\left[a + \frac{ar}{f} + \frac{ar^2}{f^2} + \ldots + \frac{ar^{N-1}}{f^{N-1}}\right] \quad (2)$$

III. RESULTS and DISCUSSIONS

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TABLE I
DELAY AND POWER OF THE INT WITH NUR FOR DIFFERENT INTERCONNECT RATIO

tio of intxxxconnect segments (r)	yyyDelay of the longest segment in NUR(ps)		xxxMax. operating frequency in Gb/s	
	In [15]	This paper	In [15]	This paper
2.00	643.0	84.6	1.55	2.60
43.00	36.0	340.0	2.73	2.94

Results can be expressed as Fig-2

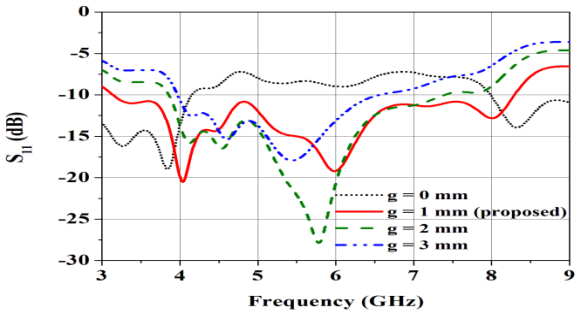


Fig. 2. S_{11} Bandwidth comparison for different values of the gap 'g'

IV. CONCLUSION

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REFERENCES

[1] X. Chen, A. Shrivastava, and A. Gupta. Neil, "Extracting visual knowledge from web data", In ICCV, 2013. 1, DOI**:** 10.1109/ICCV.2013.178

[2] R.Ho, K.W.Mai, and M.A.Horowitz, "The future of wires," Proc. IEEE, vol. 89, no 4, 2001, pp. 490-504.

[3] H.B. Bakoglu, and J.D. Meindl, "Optimal interconnection circuits for VLSI," IEEE Trans. Electron Devices ED-32 (5), 1985, pp. 903–909.

[4] C.J. Alpert, A. Devgan, J.P. Fishburn, and S.T. Quay, "Interconnect synthesis without wire tapering, " IEEE Trans. Computer-Aided Design Integrated Circuits and Systems 20 (1), 2001, pp. 90–104.

[5] Jinn-Shyan Wang et. al, "Design of Subthreshold SRAMs for Energy -EfficientQuality-Scalable Video Applications " IEEE Trans onEmerging and Selected Topics in Circuits and Systems, vol. 1, no. 2,pp 183-192, June 2011.

[6] Semiconductor Industry Association (SIA), International Technology Roadmap for Semiconductors 2011. Edition.[Online].available:http://www.itrs.net/Links/2011ITRS/Home2011.htm accessed on 22/08/2015.

[7] D. Bertsekas, R Gallager, 'Data Network', 2nd edition, Prentice Hall of India Pvt.Ltd., New Delhi-110001, 2002, ISBN-81-203-0780-1, pgs:149-187.