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THE TENT OF THE PROPERTY OF TH	MARCH  Monday  WK 12 • 076-289		
9 TAUGHT BY			
10 prof. abhishek srivastava			
11º prof. Zia abbas			
12	* · · ·		
COURSE TOPICS			
21. basics of analog design			
. Mas model for analog circuits			
4 · large signal modeling	0		
s incremental modeling	·		
Mas parasitics	. ' •		
• mismatches	,		
· Speed (bT)			
· passive components for la design CR	?, C, L)		
• biasing			
· Degative feedback for biasing	2014		

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GUITAR CONCERT

QUOTES FROM AMP USERS

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2 9 16 23 S	3 10 17 24 M	4 11 18 25 T	5 12 19 26 W	6 13 20 27 T	7 14 21 28	1 8 15 22

- · introduction to layout
- · gain Bu swing power noise area trade-offs
- "2. amplifier design
- review of single stage amplifiers
- · Single-ended and differential amplifier designs
- 2 9m/Iou design technique
- sub-threshold design technique for low power consumption.
  - · techniques to increase gain of amplifiers
  - · active loads
  - · Cas code
  - · differential amplifier coith current mirror load.
    - · mirror pole
  - o stability issues and utility of negative gain feedback in high gain amplifiers.

30.7.2020 **MARCH** 3 4 5 6 7 8 10 11 12 13 14 15 17 18 19 20 21 22 M T W T F S Thursday 079-286 • WK 12 phase noise 9 · PLLs. 10 TEXT BOOKS 12 le design of analog CMOS integrated circuits. 2. CMOS analog circuit design. 3. analysis and design of analog integrated circuits,

2014