

( 2001 2 )

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: <http://eeic7.sogang.ac.kr/korean/kmenu.html> --> Lab BBS

1. :

, , DSP, , ASIC , I  
R, L, C  
(differential amplifier)  
(multi-stage amplifier) ,  
(feedback circuit) ,  
/ (Integrated Circuits) .

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- 1 Differential and Multistage Amplifiers
- 2 Differential and Multistage Amplifiers
- 3 Frequency Response
- 4 Frequency Response

5	Frequency Response
6	Feedback Theory
7	Feedback Theory
8	
9	Feedback Theory
10	Output Stages and Power Amplifiers
11	Output Stages and Power Amplifiers
12	Analog Integrated Circuits
13	Analog Integrated Circuits
14	Waveform Generators
15	Waveform Generators
16	

(1) Differential and Multistage Amplifiers ;

BJT DC AC , ,  
 JFET, MOSFET ,  
 BiCMOS, GaAs MESFET .

(2) Frequency Response ;

S-domain , 가 ,  
 BJT, MOSFET hybrid- model ,

(3) Feedback Theory ;

Negative and positive feedback , 4가 feedback ,  
 Stability Compensation .

(4) Output stages and Power Amplifiers ;

Class A, B, C, AB ,  
 Power Amplifier .

(5) Analog Integrated Circuits ;

741 op amp (DC AC ),  
 741 op amp , CMOS op amp ,  
 Data converters .

(6) Waveform Generators ;

Oscillator ( ) 가

4. :

- 가. : Sedra and Smith, " Microelectronic Circuits, " 4th ed., Oxford University Press, Inc., 1998.
- . : P. Gray and R. Meyer, " Analysis and Design of Analog Integrated Circuits, " 3rd ed., John Wiley & Sons, Inc., 1993.
- . : N.R. Malik, "Electronic Circuits; Analysis, Simulation, and and Design," Prentice Hall, 1995.
- . S.G. Burns and P.R. Bond, "Principles of Electronic Circuits," 2nd ed., PWS Publishing Co., 1997,

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