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Kadro Yeri : MALTEPE ÜNİVERSİTESİ/MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/

Görev Yeri :

Öğrenim Bilgisi

Doktora 1970-1973	İSTANBUL TEKNİK ÜNİVERSİTESİ ELEKTRİK-ELEKTRONİK FAKÜLTESİ Tez adı: AKTİF RC-DEVRE SENTEZİNDE YENİ OLANAKLAR
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Yüksek Lisans-Tezli
1960-1966

Akademik Ünvanlar

PROFESÖR 1978-2009	İSTANBUL TEKNİK ÜNİVERSİTESİ/ELEKTRİK-ELEKTRONİK FAKÜLTESİ/ELEKTRONİK VE HABERLEŞME MÜHENDİSLİĞİ BÖLÜMÜ/DEVRELER VE SİSTEMLER TEORİSİ ANABİLİM DALI
DOÇENT 1973-1978	İSTANBUL TEKNİK ÜNİVERSİTESİ/ELEKTRİK-ELEKTRONİK FAKÜLTESİ/ELEKTRONİK VE HABERLEŞME MÜHENDİSLİĞİ BÖLÜMÜ/DEVRELER VE SİSTEMLER TEORİSİ ANABİLİM DALI
PROFESÖR 2009	MALTEPE ÜNİVERSİTESİ/MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ

Yabancı Dil Bilgisi

Fransızca Diğer Belge, 1987 (Bahar), Puan: 73

Üak Temel Alan

Temel Alan : Mühendislik Temel Alanı

Bilim Alanı : Elektrik-Elektronik Mühendisliği

Anahtar Kelime 1 : Devreler ve Sistem Teorisi

Anahtar Kelime 2 : Elektronik (Electronic)

Yönetilen Tezler

Doktora

1.GÜR FETHİ, (2013). Aktif-URC devre sentezinde yeni olanaklar, İstanbul Teknik Üniversitesi

Yüksek Lisans

2.GÜR FETHİ, (2007). Farksal akım taşıyıcı (FDCCII) ile üniversal aktif-RC filtre tasarımı, İstanbul Teknik Üniversitesi

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler : (SSCI,SCI,SCI-EXPANDED,AHCI)

- 1.TOPALOĞLU SERKAN, SAĞBAŞ MEHMET, ANDAY FUAT (2012). THREE-INPUT SINGLE OUTPUT SECOND-ORDER FILTERS USING CURRENT-FEEDBACK AMPLIFIERS. AEÜ, 66(8), 683-686.
- 2.GÜR FETHİ, ANDAY FUAT (2009). SIMULATION OF A NOVEL CURRENT-MODE UNIVERSAL FILTER USING FDCCIIs. Analog Integr. Circ.Sig. Process., 60(3), 231-236.
- 3.ANDAY FUAT, SEDEF HERMAN (2000). Nth-ORDER LOWPASS VOLTAGE TRANSFER FUNCTION SYNTHESIS USING CURRENT FEEDBACK AMPLIFIER. FREQUENZ, 54(9), 209-210.
- 4.GÜNEŞ ECE OLCAY, ANDAY FUAT (1999). AN Nth-ORDER ALLPASS VOLTAGE TRANSFER FUNCTION SYNTHESIS USING COMMERCIALY AVAILABLE ACTIVE COMPONENTS. MICROELECTRONICS JOURNAL, 30(9), 895-898.
- 5.GÜNEŞ ECE OLCAY, ANDAY FUAT (1999). REALIZATION OF VOLTAGE/CURRENT-MODE FILTERS USING FOUR-TERMINAL FLOATING NULLORS. MICROELECTRONICS JOURNAL, 30(3), 211-216.
- 6.ANDAY FUAT (1980). FLEXIBLE ACTIVE FILTER DESIGN USING OPERATIONAL AMPLIFIER POLE. Proceedings of IEEE, 68(4), 534-534.
- 7.ANDAY FUAT (1977). Active Realisation of nth-order lowpass transfer functions. IEEE Transactions on Circuits and Systems, 24(12), 745-746.
- 8.ANDAY FUAT (1977). Realisation of biquadratic transfer functions using current differencing amplifiers. Proceedings of the IEEE, 65(7), 1067-1068.
- 9.ANDAY FUAT (1976). Synthesis of RC-gyator networks. BULLETIN DE L'ACADEMIE POLONAISE DES SCIENCES-SERIE DES SCIENCES TECHNIQUES, 24(12), 935-939.
- 10.ANDAY FUAT (1976). On the analysis and synthesis of active networks containing DVCCS/DVCVS. Proceedings of the IEEE, 64(3), 375-376.
- 11.ANDAY FUAT (1972). Active realisation of nth-order low-pass transfer functions. Proceedings of the IEEE, 60(7), 909-910.
- 12.ANDAY FUAT (1972). Realisation of transfer function using differential-input operational amplifier. Proceedings of the IEEE, 60(4), 445-446.
- 13.ACAR CEVDET, ANDAY FUAT (1972). On the analysis of active networks containing voltage operational and differential operational amplifier. Proceedings of the IEEE, 60(1), 128-130.
- 14.ANDAY FUAT (1971). Alternate state-variable realisation using single ended operational amplifiers. Proceedings of the IEEE, 59(12), 1710-1711.

Uluslararası hakemli dergilerde yayımlanan makaleler : (SSCI,SCI,SCI-EXPANDED,AHCI)

- 15.GÜNEŞ ECE OLCAY, ANDAY FUAT (1997). CFA BASED FULLY INTEGRATED n th-ORDER LOWPASS FILTER. Electronics Letters, 33(7), 571-573.
- 16.GÜNEŞ ECE OLCAY, ANDAY FUAT (1997). RFEALIZATION OF VOLTAGE AND CURRENT-MODE TRANSFER FUNCTIONS USİNG UNITY-GAIN CELLS. International Journal of Electronics, 83(2), 209-213.
- 17.GÜNEŞ ECE OLCAY, ANDAY FUAT (1996). REALISATION OF CURRENT-MODE UNIVERSAL FILTER USING CFCCIps. Electronics Letters, 31(12), 1081-1082.
- 18.GÜNEŞ ECE OLCAY, ANDAY FUAT (1995). REALISATION OF CURRENT-MODE LOWPASS FILTERS USING CFCCIIs. Electronics Letters, 31(25), 2161-2162.
- 19.GÜNEŞ ECE OLCAY, ANDAY FUAT (1995). REALISATION OF n th-ORDER VOLTAGE TRASFER FUNCTION USING CCII+. Electronics Letters, 31(13), 1022-1023.
- 20.ACAR CEVDET, ANDAY FUAT, KUNTMAN HAKAN (1993). ON THE REALISATION OF OTA-C FILTERS. International Journal of Circuit Theory and Application , 21(4), 331-341.
- 21.ANDAY FUAT, GÜNEŞ ECE OLCAY (1992). REALISATION OF n th-ORDER TRANSFER FUNCTIONS USING CURRENT CONVEYORS. International Journal of Circuit Theory and Application, 20(6), 693-696.
- 22.TEK HÜSEYİN, ANDAY FUAT (1989). VOLTAGE TRANSFER FUNCTION SYNTHESIS USING CURRENT CONVEYORS. Electronics Letters, 25(23), 1552-1553.
- 23.ANDAY FUAT (1987). SYNTHESIS OF SWITCHED-CAPACITOR ACTIVE FILTERS : Z-DOMAIN EQUIVALENT ADMITTANCE APPROACH. International Journal of Circuit Theory and Applications, 15(1), 85-87.
- 24.KABULİ GÜNTEKİN, ANDAY FUAT (1983). STRAY-INSENSITIVE SWITCHED-CAPACITOR NETWORK REALISATION FOR VOLTAGE TRANSFER FUNCTIONS. Electronics Letters, 19(2), 60-61.
- 25.ANDAY FUAT (1982). REALISATION OF NORTON AMPLIFIER n th-ORDER SWITCHED-CAPACITOR NETWORKS. International Journal Electronics, 53(3), 289-292.
- 26.ANDAY FUAT (1981). REALISATION OF SECOND-ORDER TRANSFER FUNCTIONS WITH SWITCHED-CAPACITOR NETWORKS. International Journal Electronics, 50(3), 169-174.
- 27.ANDAY FUAT (1979). ACTIVE CREALISATION FOR THE GENERAL BIQUADRATIC VOLTAGE TRANSFER FUNCTIONS. Electronics Letters, 15(22), 725-726.
- 28.ANDAY FUAT (1977). Realisation of n th-order transfer functions using current differencing amplifiers. International Journal Electronics, 42(6), 613-616.
- 29.ANDAY FUAT (1975). Active RC realisation of a third-order band-pass Butterworth characteristic using equal valued passive elements. Electronics Letters, 11(10), 228-228.
- 30.ANDAY FUAT (1973). Analysis of RLC gyrator networks. Electronics Letters, 9(17), 403-404.
- 31.ANDAY FUAT (1973). Realisation of transfer function with a prescribed sensitivity function. Electronics Letters, 9(3), 53-54.
- 32.ANDAY FUAT (1972). Realisation of 2nd-order transfer functions using minimum number elements. Electronics Letters, 8(25), 611-612.
- 33.ANDAY FUAT (1972). Active realisation of n th-order all-pass trasfer functions. Electronics Letters, 8(15), 399-399.

Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler :

Tam metin bildiri

- 1.BEKİRİ ALİ T, ANDAY FUAT (2005). N th-ORDER VOLTAGE TRANSFER FUNCTION REALIZATION USING A SINGLE CURRENT DIFFERENCING TRANSCONDUCTANCE AMPLIFIER. APPLIED ELECTRONICS

- 2.GÜR FETHİ, ANDAY FUAT ADJOINT TRANSFORMATION OF THE ACTIVE ELEMENTS USING NULLOR. APPLIED ELECTRONICS CONFERENCE, 56-59.
- 3.BEKİRİ ALİ T, ANDAY FUAT Nth-ORDER LOW-PASS FİLTER EMPLOYING CURRENT DIFFERENCING TRANSDUCTANCE AMPLIFIERS. EUROPEAN CONF. ON CIRCUIT THEORY AND DESIGN
- 4.BİLGE HÜSEYİN, ANDAY FUAT (2003). REALIZATION OF Nth-ORDER TRANSFER FUNCTIONS USING CURRENT DIFFERENCING AMPLIFIERS. EUROPEAN CONF. ON CIRCUIT THEORY AND DESIGN, 565-567.
- 5.ACAR CEVDET, ANDAY FUAT, KORÜREK MEHMET (2007). REALIZATION OF Nth-ORDER VOLTAGE TRANSFER FUNCTIONS USING ONLY CURRENT DIFFERENCING AMPLIFIERS AND RESISTORS. ETAN 1984
- 6.GÜR FETHİ, ANDAY FUAT (2007). FDCCII BASED VOLTAGE MODE FİLTER DESIGN USING SIGNAL FLOW GRAPHS. SIU2007, 1-3.
- 7.ANDAY FUAT (2007). REALIZATION OF NORTON AMPLIFIER SWITCHED-CAPACITOR NETWORKS. ISCAS 1982, 245-247.
- 8.GÜR FETHİ, ANDAY FUAT (2007). SIMULATION OF A NEW VOLTAGE-MODE UNIVERSAL FILTER WITH A LOSSLESS INDUCTOR USING FDCCIIs. APPLIED ELECTRONICS 2007, 69-72.
- 9.ANDAY FUAT FLEXIBLESWITCHED-CAPACITOR FILTER DESIGN USING DIFFERENTIAL INTEGRATOR. ETAN 1984
- 10.GÜNEŞ ECE OLCAY, ANDAY FUAT (2007). REALIZATIONOF Nth-ORDER CURRENT-MODE TRANSFER FUNCTIONS USING CFCCIIs. EUROPEAN CONF.ON CIRCUIT THEORY AND DESIGN1997, 72-76.
- 11.GÜR FETHİ, ANDAY ANDAY (2007). FIRST-ORDERALLPASSECTIONS-BASED HIGH-INPUT LOW-OUTPUT IMPEDANCE VOLTAGE-MODE UNIVERSALFİLTER USING FDCCIIs. EUROPEAN CONFERENCE ON CIRCUIT THEORY AND DESIGN, 428-431.
- 12.ANDAY FUAT (2007). A NOVEL CURRENT-MODE UNIVERSAL ACTIVE-RC FILTER USING FDCCIIs. ELECO 2007

Yazılan ulusal kitaplar veya kitaplarda bölümler

Ders Kitabı

1. DEVRE VE SİSTEM ANALİZİ (2012)., FUAT ANDAY, BİRSENBİRSEN, Basım sayısı:2, Sayfa Sayısı 150, ISBN:978-975-511-367-3, Türkçe
2. DEVRE VE SİSTEM ANALİZİ (2004)., FUAT ANDAY, BİRSENBİRSEN, Sayfa Sayısı 150, ISBN:975-511-367-3, Türkçe
3. Aktif Devre Sentezi (1992)., ANDAY FUAT, İTÜ Elek-Elektronik FakİTÜ Elek-Elektronik Fak, Sayfa Sayısı 96, Türkçe
4. Aktif Devre Sentezi (1981)., FUAT ANDAY, TÜBİTAKTÜBİTAK, Sayfa Sayısı 88, Türkçe

Dersler * Son 2 yılda verilen ders bilgisine yer verilmiştir.

2015-2016

Lisans

Kontrol Teorisi	Türkçe	3
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Aktif Süzgeç Tasarımı	Türkçe	3
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Devre Sentezi	Türkçe	3
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2014-2015

Kontrol Teorisi	Türkçe	3
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Aktif Süzgeç Tasarımı	Türkçe	3
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Ödüller

Ulusal

1.TEŞVİK, 1979, TÜBİTAK