

CHAOS

THEORY AND APPLICATIONS

IN APPLIED SCIENCES AND ENGINEERING

Chaos Theory and Applications (CTA)

Volume: 2 – Issue No: 1 (June 2020)

<https://dergipark.org.tr/en/pub/chaos/issue/53876>

Contents

Author(s), Paper Title	Pages
Otto E. ROSSLER. "On the Rossler Attractor ." (Editorial)	1-2
Murat Erhan ÇİMEN, Zeynep GARİP, Ömer Faruk BOYRAZ, İhsan PEHLİVAN, Mustafa Zahid YILDIZ, Ali Fuat BOZ. "An Interface Design for Calculation of Fractal Dimension." (Research Article)	3-9
Yusuf ADIYAMAN, Selcuk EMİROĞLU, Muhammed Kürşad UÇAR, Muhammed YILDIZ. "Dynamical Analysis, Electronic Circuit Design and Control Application of a Different Chaotic System." (Research Article)	10-16
Arshad ., Shahtaj SHAUKAT, Arshid ALİ, Amna ELEYAN, Syed Aziz SHAH, Jawad AHMAD. "Chaos Theory and its Application: An Essential Framework for Image Encryption." (Research Article)	17-22
Murat ALÇİN. "The Runge Kutta-4 based 4D Hyperchaotic System Design for Secure Communication Applications." (Research Article)	23-30
Sifeu T. KINGNÍ , Cyrille AİNAMON , Victor KAMDOUM TAMBA, Jean CHABI OROU. "Directly modulated semiconductor ring lasers: Chaos synchronization and applications to cryptography communications." (Research Article)	31-39
Alex S. KEMNANG TSAFACK , Romanic KENGNE , André CHEUKEM , Justin R. MBOUPDA PONE , Godpromesse KENNE. "Chaos control using self-feedback delay controller and electronic implementation in IFOC of 3-phase induction motor." (Research Article)	40-48