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Advising Theses

DOĞANAKSOY A., Cryptographic protocols of signal and signal based instant messaging applications, Postgraduate, H.DİNÇER(Student), 2022

DOĞANAKSOY A., Permutation polynomials and construction of bent functions, Doctorate, P.ONGAN(Student), 2021

DOĞANAKSOY A., On measuring security bounds of some ciphers using mixed integer linear programming (MILP) approach, Postgraduate, C.TÜRESİN(Student), 2021

DOĞANAKSOY A., A new lightweight statistical randomness test suite and its evaluation by comparison with other test suites, Doctorate, Z.AKCENGİZ(Student), 2021

DOĞANAKSOY A., On password-based authenticated key exchange (PAKE) protocols., Postgraduate, M.Tonga(Student), 2020

 $DO\c GANAKSOY~A., Secure~message~authentication~protocol~for~can~(controller~area~network)., Postgraduate,$

S.Mertol(Student), 2020

DOĞANAKSOY A., A study of lightweight cryptography, Postgraduate, Z.Çamur(Student), 2020

DOĞANAKSOY A., Statistical iid tests of integer sequences, Postgraduate, S.Yılmaz(Student), 2019

 $DO\GANAKSOY~A., A survey~on~the~provable~security~using~indistinguishability~notion~on~cryptographic~encryption~schemes, Postgraduate, E.AYAR(Student), 2018$

DOĞANAKSOY A., TEZCAN C., DIFFERENTIAL CRYPTANALYSIS ON LBLOCK USING DIFFERENTIAL FACTORS, Postgraduate, M.ÖĞÜNÇ(Student), 2018

DOĞANAKSOY A., Slide attack and its applications, Postgraduate, E.USLU(Student), 2017

DOĞANAKSOY A., Character sums of quadratic forms over finite fields and the number of rational points for some classes of artin-schreier type curves, Doctorate, A.Coşgun(Student), 2017

DOĞANAKSOY A., Sonlu cisimler üzerinde kuadratik formların karakter toplamları ve bazı Artin-Schreier tipi eğri sınıflarının rasyonel nokta sayıları, Doctorate, A.COŞGUN(Student), 2017

DOĞANAKSOY A., Secure password generation through statistical randomness tests, Postgraduate, A.USLU(Student), 2017

DOĞANAKSOY A., A unified evaluation of statistical randomness tests and experimental analysis of their relations, Doctorate, O.KOÇAK(Student), 2016

DOĞANAKSOY A., Server notaries: A complementary approach to the web pki trust model, Doctorate, E.YÜCE(Student), 2016

DOĞANAKSOY A., Secure electronic exam, Doctorate, L.TARKAN(Student), 2016

DOĞANAKSOY A., Improvement on bit diffusion analysis of Pi-Cipher, Postgraduate, B.BOZDEMİR(Student), 2016

DOĞANAKSOY A., On constructions and enumeration of bent and semi-bent functions, Doctorate, N.KOÇAK(Student), 2015

DOĞANAKSOY A., Relating undisturbed bits to other properties of substitution boxes, Postgraduate, R.HASAN(Student), 2014

DOĞANAKSOY A., A Randomness test based on postulate r-2 on the number of runs, Postgraduate, O.Şeker(Student),

DOĞANAKSOY A., A randomness test based on postulate r-2 on the number of runs, Postgraduate, O.ŞEKER(Student), 2014

DOĞANAKSOY A., AKYILDIZ E., Improbable differential cryptanalysis, Doctorate, C.TEZCAN(Student), 2014 DOĞANAKSOY A., On nonlinearity and hamming weight preserving bijective mappings acting on boolean functions, Doctorate, İ.SERTKAYA(Student), 2014

DOĞANAKSOY A., Mutual correlation of randomness test and analysis of test outputs of transformed and biased sequences, Postgraduate, Z.Akcengiz(Student), 2014

DOĞANAKSOY A., Mutual correlation of randomness tests and analysis of test outputs of transformed and biased sequences, Postgraduate, Z.AKCENGİZ(Student), 2014

DOĞANAKSOY A., Analysis of Boolean functions with respect to Walsh spectrum, Doctorate, E.UYAN(Student), 2013

DOĞANAKSOY A., Computing cryptographic properties of Boolean functions from the algebraic normal orm representation, Doctorate, Ç.Çalık(Student), 2013

DOĞANAKSOY A., Computing cryptographic properties of Boolean functions from the algebraic normal form representation, Doctorate, Ç.ÇALIK(Student), 2013

DOĞANAKSOY A., Statistical analysis of block ciphers and hash functions, Doctorate, F.SULAK(Student), 2011

DOĞANAKSOY A., Basic cryptanalysis methods on block ciphers, Postgraduate, D.ÇELİK(Student), 2010

DOĞANAKSOY A., Generating functions and their applications, Postgraduate, B.BİLGİN(Student), 2010

DOĞANAKSOY A., Design and analysis of hash functions, Postgraduate, O.KOÇAK(Student), 2009

DOĞANAKSOY A., Combined attacks on block ciphers, Postgraduate, N.ÖZTOP(Student), 2009

DOĞANAKSOY A., Time memory trade off attack on symmetric ciphers, Doctorate, A.NURDAN(Student), 2009

DOĞANAKSOY A., Related-key attacks on block ciphers, Postgraduate, A.DARBUKA(Student), 2009

DOĞANAKSOY A., Spectral modular multiplication, Doctorate, İ.HALUK(Student), 2009

DOĞANAKSOY A., Impossible differential cryptanalysis of reduced round HIGHT, Postgraduate, C.TEZCAN(Student), 2009

DOĞANAKSOY A., On statistical analysis of synchronous stream ciphers, Doctorate, M.Sönmez(Student), 2008

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DOĞANAKSOY A., Verifiability and receipt-freeness in cryptographic voting systems, Doctorate, O.ÇETİNKAYA(Student), 2007

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Postgraduate, E.YILDIRIM(Student), 2004

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I. LS-14 test suite for long sequences

Akcengiz Z., ASLAN M., DOĞANAKSOY A., Sulak F., UĞUZ M.

Hacettepe Journal of Mathematics and Statistics, vol.53, no.1, pp.230-250, 2024 (SCI-Expanded)

II. Periodic template tests: A family of statistical randomness tests for a collection of binary sequences SULAK F., Doganaksoy A., Uguz M., Kocak O.

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III. R-2 composition tests: a family of statistical randomness tests for a collection of binary sequences UĞUZ M., DOĞANAKSOY A., SULAK F., Kocak O.

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IV. Mutual correlation of NIST statistical randomness tests and comparison of their sensitivities on transformed sequences

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VI. New Statistical Randomness Tests Based on Length of Runs

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VII. Counting Boolean functions with specified values in their Walsh spectrum

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VIII. On Lempel-Ziv complexity of sequences

Doganaksoy A., Gologlu F.

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I. MODIFICATIONS OF KNUTH RANDOMNESS TESTS FOR INTEGER AND BINARY SEQUENCES

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Books & Book Chapters

I. İşletme, İktisat, Yaşam Bilimleri ve Sosyal Bilimler için Sonlu Matematik

DOĞANAKSOY A., UĞUZ M., SAYGI Z., SEVİNİK ADIGÜZEL R., SULAK F., ÜRTİŞ Ç.

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II. Yarışmalara Hazırlananlar İçin Çözümlü Matematik Problemleri

DOĞANAKSOY A., SAYGI Z., SULAK F., UĞUZ M., ÜRTİŞ Ç.

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I. A New Randomness Test Based on the Overlapping Blocks

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II. Affine Equivalency and Nonlinearity Preserving Bijective Mappings over F-2

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III. MORALS OF AN ANECDOTE AS STARTING POINT OF A LECTURE IN MATHEMATICS

DOĞANAKSOY A.

35th Annual Conference of the International-Group-for-the-Psychology-of-Mathematics-Education (PME), Ankara, Turkey, 10 - 15 July 2011, pp.23-30

IV. Evaluation of Randomness Test Results for Short Sequences

Sulak F., DOĞANAKSOY A., Ege B., Kocak O.

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V. Choosing Parameters to Achieve A Higher Success Rate for Hellman Time Memory Trade Off Attack SARAN A. N., DOĞANAKSOY A.

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VI. Alternative Approach to Maurer's Universal Statistical Test

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IX. A Survey on Bent Functions and Normality

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X. A practical verifiable e-voting protocol for large scale elections over a network

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XI. Pseudo-voter identity (PVID) scheme for e-voting protocols

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XII. A NOTE ON LINEARITY AND HOMOMORPHICITY

DOĞANAKSOY A., Sağdıçoğlu S., SAYGI Z., UĞUZ M.

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XIII. Constructions of Highly Nonlinear Balanced Boolean Functions

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Metrics

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Non Academic Experience

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