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Research Articles

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Hybrid LDPC Decoder for High Error Detection and Correction Applications

Manickam Revathy,Ramaiah Saravanan

Department of Electronics and Communication Engineering, National Institute of Technology, India

Keywords: Error correction codes, Iterative decoding, Linear code, Parity check codes, Turbo codes

2.

Molecular investigation using DNA sequencing in medicinal plant Commiphora Gileadensis species in Saudi Arabia

Abdullah Alaklabi

Department of Molecular Biology, King Saud University, Riyadh, Saudi Arabia

Keywords: Commiphora gileadensis, Al-Baha, Al-Jizan, PCR-DNA Sequencing

3.

A Comparison of the Preconditioners for the Large Symmetric Generalized Eigenvalue Problems by CG-type Methods

Ho-Jong Jang, Sangback Ma

Department of Mathematics, Pohang University of Science and Technology, South Korea

Keywords: Generalized Eigenvalue Problem, Preconditioned Conjugate Gradient, \nAGMG(AGgregate MultiGrid)

4.

Enhancing Engineering Studentsï¿½ Motivation to Learn English and Critical Thinking by Employing Constructivist Approach in Teaching

Uma Maheswari and Jeyanthi

Department of English, National Institute of Technology, Tiruchirappalli, India

Keywords: Cooperative Learning, Constructivist Teaching, Motivation, , Critical Thinking

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5.

An Association of Colpocephaly and Corpus Callosum Agenesis in a Healthy Child and The Importance of Cranial Imaging

Ibrahim Hakan Bucak, Habip Almis, Mehmet Sirik, Mehmet Turgut

Department of Pediatrics, Hacettepe University, Turkey

Keywords: Colpocephaly, Corpus Callosum Agenesis, Convulsion

6.

A Wireless-STIM Based on CPLD

Jih-Fu Tu \nDepartment of Electronic Engineering, St. Johnï¿½s University, Taiwan

Department of Electronic Engineering, St. John's University, Taiwan

Keywords: IEEE 1451.2, Semi-customer, Smart Transducer Interface Module (STIM), and smart sensor node (SSN).

7.

A Study on the Integral Problems Using Generalized Cauchy Integral Formula

Tsai-Jung Chen, Chii-Huei Yu

Department of Mathematics, National Taiwan University, Taiwan

Keywords: definite integrals, closed forms, generalized Cauchy integral formula, Maple

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8.

AERATED CONCRETE INCORPORATING AGRO-INDUSTRIAL WASTE IN SULPHURIC ACID

Taha Mehmannavaz, Mohammad Ismail, Seyed Mahdi Sajjadi, Nor Hasanah Abdul Shukor Lim, Mostafa Samadi

Department of Civil Engineering, Universiti Teknologi Malaysia, Malaysia

Keywords: POFA; PFA; aerated concrete; durability; sulphuric acid, waste materials

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9.

A Novel Speech Data Hiding Method Based On Quantization Index Modulation

Elena Becker, Hans Müller, Pierre Dubois, Marco Rossi

School of Computer Science, University of Auckland, New Zealand

Keywords: QIM; data hiding; power-law quantization.

10.

cDNA cloning, sequence characterization and expression analyses of a novel gene TRIM56 from Chinese Banna Mini-pig Inbred Line (BMI)

Pei Wang, Hai-long Huo, Yong-wang Miao, Yong-yun Zhang, Qiao-ling Zhang, Fu-quan Li, Li-xian Liu, Wei-zhen Li, Yang-zhi Zeng, Jin-long Huo, Heng Xiao

Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing, China

Keywords: Banna mini-pig inbred line (BMI); TRIM56; tissue expression profile; phylogenetic analysis