

[DOWNLOAD](#)

A Simulation Tool for LDPC Encoder-Decoder

By Gajjar, Ruchi / Gajjar, Nagendra

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | An Aid To The Designers | Low Density Parity- Check (LDPC) codes are a class of linear block codes which provide good error detection and error correction capabilities and are capable of achieving near Shannon- limit channel communication. Hence, they are included as error correction codes in many modern communication system standards like Digital Video Broadcasting (DVB-S2), Gigabit Ethernet (10GBASE-T) and WiMax. In this book, we bring together several of approaches for construction of LDPC codes and we examine them from structural point of view. We have designed a simulation tool for the performance evaluation of LDPC codes in terms their Bit Error Rate and Block Error Rate. The influence of the type of LDPC codes on the decoding performance is also investigated using simulations. This allows us to differentiate and select an appropriate LDPC code according to performance, latency, decoding complexity, and memory requirements. Thus this tool can aid a designer to test his LDPC code under different parameters and also choose a particular LDPC matrix with desired error correction requirements. | Format: Paperback | Language/Sprache: english | 72 pp.



[READ ONLINE](#)
[3.78 MB]

Reviews

Absolutely essential read book. It is probably the most incredible pdf i have got read through. You will like the way the writer publish this pdf.
-- Griffin Hirthe

If you need to adding benefit, a must buy book. It can be loaded with wisdom and knowledge I discovered this ebook from my dad and i encouraged this pdf to discover.
-- Darrin Kutch

You May Also Like



How to Make a Free Website for Kids

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Table of Contents Preface Chapter # 1: Benefits of Having a Website Chapter # 2: Signing Up for a Website...



Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it?

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 and 2 sounds...



The About com Guide to Baby Care A Complete Resource for Your Babys Health Development and Happiness by Robin Elise Weiss 2007 Paperback

Book Condition: Brand New. Book Condition: Brand New.



The Wolf Who Wanted to Change His Color My Little Picture Book

Auzou. Paperback. Book Condition: New. Eleonore Thuillier (illustrator). Paperback. 32 pages. Dimensions: 8.2in. x 8.2in. x 0.3in.Mr. Wolf is in a very bad mood. This morning, he does not like his color anymore!He really wants to try another one, just to see...



A Little Wisdom for Growing Up: From Father to Son

Wipf Stock Publishers, United States, 2007. Paperback. Book Condition: New. 193 x 119 mm. Language: English . Brand New Book ***** Print on Demand *****.Description: A Little Wisdom for Growing Up is an ancient form of storytelling, of passing on wisdom between...



The New Green Smoothie Diet Solution: Nature s Fast Lane to Peak Health

Createspace, United States, 2012. Paperback. Book Condition: New. 224 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.New Bestselling Green Smoothie Book Now Available In Print Version! Join The Green Smoothie Revolution For Abundant Radiant Health! Feeling...