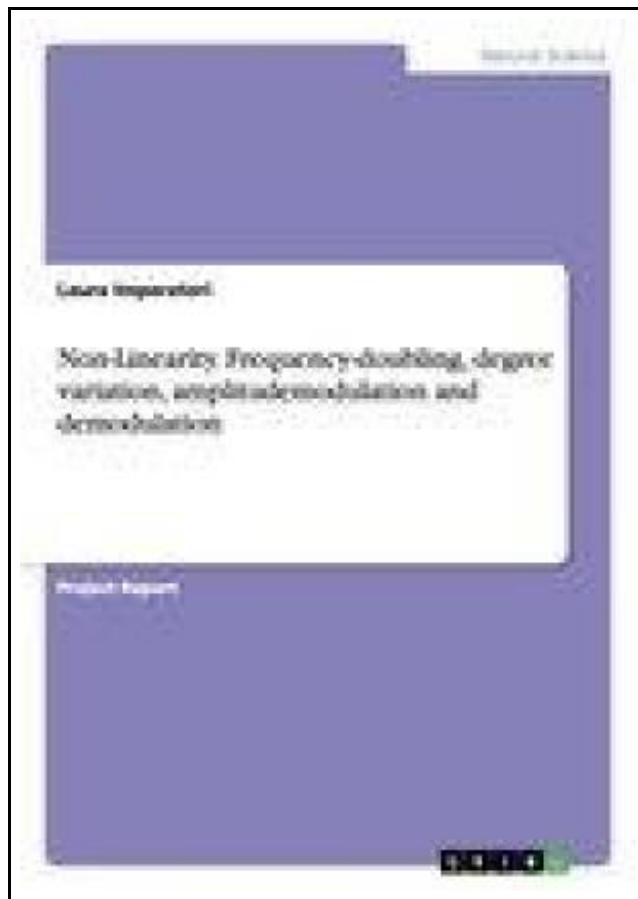


Non-Linearity. Frequency-doubling, degree variation, amplitudemodulation and demodulation



Filesize: 4.32 MB

Reviews

The book is straightforward in go through easier to recognize. it was actually writtern extremely perfectly and useful. I am very happy to explain how this is actually the greatest publication i have read through within my individual life and might be he finest ebook for actually.

(Gladys Conroy)

NON-LINEARITY. FREQUENCY-DOUBLING, DEGREE VARIATION, AMPLITUDEMODULATION AND DEMODULATION

[DOWNLOAD PDF](#)

To read **Non-Linearity. Frequency-doubling, degree variation, amplitudemodulation and demodulation** PDF, make sure you follow the button under and save the file or have accessibility to other information which might be in conjunction with NON-LINEARITY. FREQUENCY-DOUBLING, DEGREE VARIATION, AMPLITUDEMODULATION AND DEMODULATION ebook.

GRIN Verlag Jun 2014, 2014. sonst. Bücher. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Project Report from the year 2013 in the subject Physics - Acoustics, grade: Alpha, University of Cambridge (Department of Physics), course: Natural Sciences Tripos Part IB, language: English, abstract: In order to test non-linearity, the effects of different transfer functions of an AD633 multiplier in a given electrical circuit were investigated and compared with the theoretical expectations. First of all, the phenomenon of frequency doubling was found to occur when squaring the input voltage. Secondly, the multiplier was reconfigured to give a square-root response. This allowed us to vary the degree of non-linearity by choosing the parameters of input voltage and DC offset such that we could determine which terms in the Taylor expansion of the transfer function were relevant and hence to what degree the circuit behaved non-linearly. For a small, sinusoidal variation about a large DC level, the system was found to be weakly non-linear. For high amplitude and a low DV offset we observed strong non-linearity. Compared to weak non-linearity, we were able to detect the third harmonic as well as the first and the second one. The existence of harmonics was investigated on the PicoScope screen and verified by plotting output amplitude (dBV) versus input amplitude (dBV) and finding the gradient of the slope corresponding to the respective harmonic. Finally, frequency mixing was explored in its broader context by investigating amplitude modulation and demodulation on the same circuit board. 16 pp. Englisch.



[Read Non-Linearity. Frequency-doubling, degree variation, amplitudemodulation and demodulation Online](#)



[Download PDF Non-Linearity. Frequency-doubling, degree variation, amplitudemodulation and demodulation](#)



[Download ePUB Non-Linearity. Frequency-doubling, degree variation, amplitudemodulation and demodulation](#)

You May Also Like



[PDF] My Life as an Experiment: One Man's Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests

Follow the link beneath to download "My Life as an Experiment: One Man's Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests" file.

[Save PDF »](#)



[PDF] Report from the Interior. Bericht aus dem Inneren, englische Ausgabe

Follow the link beneath to download "Report from the Interior. Bericht aus dem Inneren, englische Ausgabe" file.

[Save PDF »](#)



[PDF] Fifty Years Hence, or What May Be in 1943

Follow the link beneath to download "Fifty Years Hence, or What May Be in 1943" file.

[Save PDF »](#)



[PDF] Winter: Set 11 : Non-Fiction

Follow the link beneath to download "Winter: Set 11 : Non-Fiction" file.

[Save PDF »](#)



[PDF] A Letter from Dorset: Set 11: Non-Fiction

Follow the link beneath to download "A Letter from Dorset: Set 11: Non-Fiction" file.

[Save PDF »](#)



[PDF] Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat

Follow the link beneath to download "Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat" file.

[Save PDF »](#)



[PDF] Fantastic Fish: Set 12: Non-Fiction

Follow the link below to download "Fantastic Fish: Set 12: Non-Fiction" file.

[Download Book »](#)



[PDF] Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Follow the link below to download "Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" file.

[Download Book »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Follow the link below to download "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" file.

[Download Book »](#)



[PDF] Read Write Inc. Phonics: Orange Set 4 Non-Fiction 4 Blackbirds

Follow the link below to download "Read Write Inc. Phonics: Orange Set 4 Non-Fiction 4 Blackbirds" file.

[Download Book »](#)



[PDF] Read Write Inc. Phonics: Purple Set 2 Non-Fiction 5 Puppets

Follow the link below to download "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 5 Puppets" file.

[Download Book »](#)



[PDF] Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book

Follow the link below to download "Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book" file.

[Download Book »](#)