



922 pages | 21.4 x 30.3 x 6.4 cm | 2.9 kg | hard cover

ISBN 978-94-6345-175-8 | Price: € 59.00

Order at www.boekenbestellen.nl or other web shops.

FUNDAMENTAL AMPLIFIER TECHNIQUES WITH ELECTRON TUBES

Theory and practice with design methods for self construction.

second edition

This second edition on ‘tubed audio’ is as thick as your 12AX7/ECC83 tube is tall ! A must-have for all tube fans and the growing circle of RAF’s (retro-audio-aficionado’s). Rudolf Moers’s ‘opus magnum’ is again available in English. In a mind-blowing 900+ pages, Rudolf covers just about everything you need to know about the fundamentals of electron tubes and the way these wonderful devices were designed to function at their best in their best known application: the (now vintage) electron tube audio amplifier.

The book’s aim is to give the reader useful knowledge about electron tube technology in the application of audio amplifiers, including their power supplies, for the design and DIY construction of these electron tube amplifiers. This is much more than just building an electron tube amplifier from a schematic made from the design from someone else: no academic theory for scientific evidence, but a theoretical explanation of how the practice works. No modern simulations, but because you first understand the circuit calculations, you can then work with your hands to build the circuit and last but not least, if you have a multimeter, a signal generator and an oscilloscope, you can measure the circuit parameters yourself to check how closely theory and practice match. All this is what makes this book a unique reference source.

Following on from the introduction in chapter 1, chapter 2 describes the principles of electron emission. Chapter 3, 4, 5 and 6 deal with the diode, triode, tetrode and pentode respectively, each with a different construction. They are covered only at mid-frequencies, minus any discussion of distortion and negative feedback. Chapter 7 discusses the limits of audio frequencies and chapter 8 covers the topics on non-linear distortion and noise. Chapter 9 concerns negative feedback and chapter 10 describes how to build your own electron tube amplifier.