Bibliography: Physical Modeling of Musical Instruments

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January 6, 2011

Online Text for Music 420A


NOTE: The bibliography in PASP is far more up to date than that in this document. However, the older references are more usefully organized here by topic, and more information is given about them.

Most Recommended Musical Acoustics Books

• N. H. Fletcher and T. D. Rossing, The Physics of Musical Instruments, Springer-Verlag, 1998 (2nd ed.)—an excellent advanced musical acoustics text. Note that Prof. Rossing is at CCRMA this year teaching introductory musical acoustics (Music 150).


Other Recommended Books


Other Related Books


Related CCRMA PhD Theses

- Julius Smith, Techniques for Digital Filter Design & System Identification with Application to the Violin, PhD/EE/CCRMA Dissertation, Stanford University, June 1983. Also available as a CCRMA publication, Dept. of Music, Stanford University, Stanford CA.


See also the many related dissertations at the HUT Acoustics Lab: [http://www.acoustics.hut.fi/](http://www.acoustics.hut.fi/) such as


**References by Topic**

This list of references can be used as a starting-point for further reading. The citations for each topic are generally listed in chronological order, except that the first reference cited may be my recommended best *single* reference (e.g., most recent and/or comprehensive).

**Network Theory:** [290] [175] [21]
**Basic Circuit Theory:** [61] [20]
**Laplace Transform Analysis:** [59] [40] [148] [82]
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