

CHEBY - Version 1.1B

These programs are helpful in designing lowpass, highpass and bandpass filters based on Chebyscheff polynomials. Use CHEBY87.COM for machines having an 8087 numeric co-processor installed, and CHEBYBCD.COM on machines without an 8087.

The basic functions are as follows:

- o Frequency - enter a new center/cutoff frequency in hertz
- o Bandwidth - enter a new bandwidth in hertz (bandpass filters only)
- o Number Poles - enter new number of lowpass poles (1-9)
- o Ripple - enter passband ripple factor in decibels
- o Impedance - enter new input/output impedance in ohms
- o Help - display this menu
- o Print - print out filter characteristics to standard line printer
- o Save - save filter parameters to a disk file
- o Recall - load filter parameters from a disk file
- o Consulting - read the Soln Laboratories advertisement
- o Quit - return to DOS

This useful utility is provided to you free of charge by the engineering staff at Soln Laboratories, Inc. Please feel free to make copies for your friends and co-workers. To become a registered user and receive the most recent copy of CHEBY, please send \$10.00 to Soln Laboratories, Inc. 732A Holcolmb Bridge Road, Norcross, Georgia 30071.

Soln Laboratories is a high technology research and development company engaged in providing professional services to industry and government. We are experienced in RF/microwave circuit design, microprocessor based systems, radar, communication systems, and professional audio. From circuit design to theoretical analysis, no job is too large or too small.