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Contact: Prof. P. C. Pandey
Department of Electrical Engineering,
Indian Institute of Technology Bombay, Powai, Mumbai.
mailto: pcpandey@ee.iitb.ac.in

Abstract - A spectrogram is a visual representation of the temporal variation of the component frequencies of dynamic signals like those associated with speech, biomedical phenomena, under water sounds and Doppler ultrasound signals. Here we describe a PC-based spectrograph which, in addition to the facility of generating spectrograms with specified frequency resolution, also incorporates the "combined" spectrogram that can obtain good time and frequency resolutions simultaneously. Readouts from the spectrograms can be obtained directly from the PC monitor.