

Echoe-Display-Mode: Fast Single A-Scan Mode

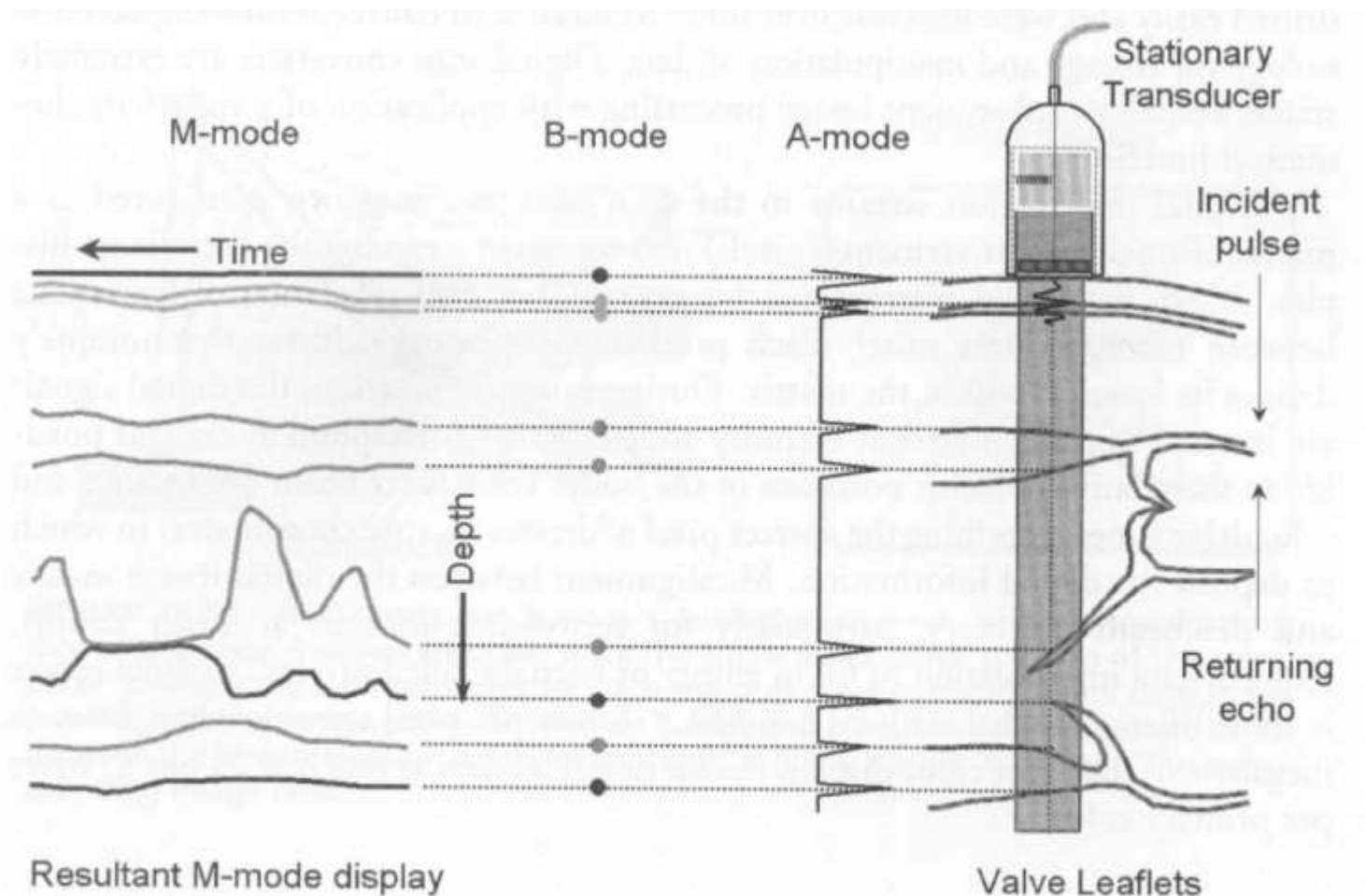
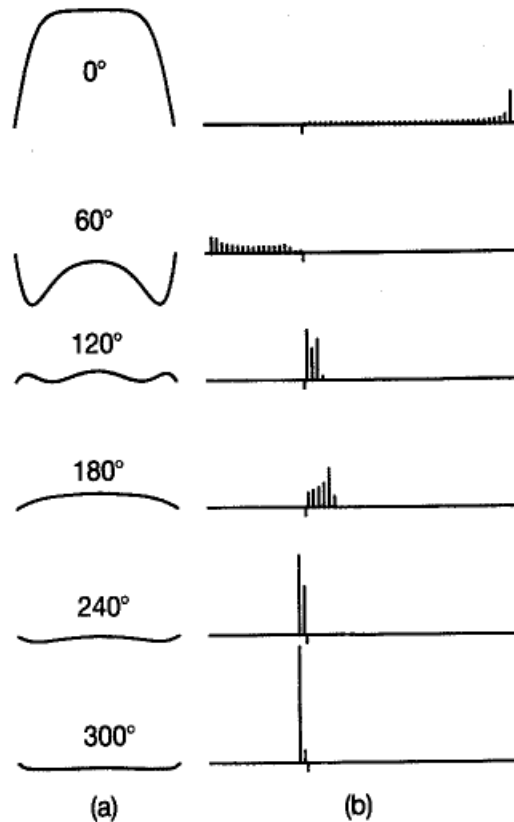


FIGURE M-mode data is acquired with a stationary transducer or transducer array. The A-mode data are brightness encoded and deflected across the horizontal direction to produce M-mode curves. M-mode display of valve leaflets is depicted.

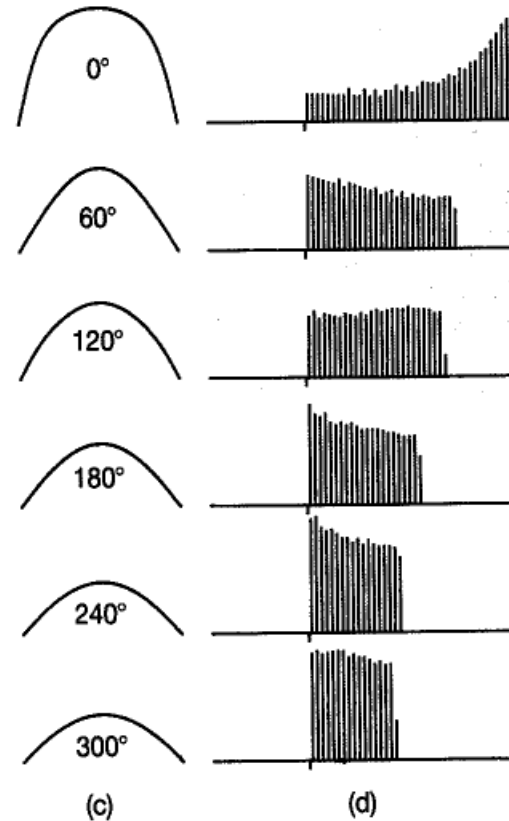
Velocity profiles and Doppler shift frequency

Doppler Power Spectrum (Audiosignals) \leftrightarrow Velocity profile

A. femoralis



A. Common carotid



Series of velocity profiles for a common femoral artery (a) and common carotid artery (c), together with corresponding velocity distribution histograms (b) and (d). The peak of forward flow has been arbitrarily called 0° and the maximum velocities have been scaled to have the same amplitude

Summary: Doppler Systems

Spectrogram/ Power \leftrightarrow velocity profile

profile common carotid artery

Color coded

