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VI SURFACE ACOUSTIC WAVES FOR SIGNAL PROCESSING 2.1.2 Plane-wave solution in the case of an infinite rod 30 2.1.3 Bulk piezoelectric permittivity 31 Surface Acoustic Wave Devices and Their Signal Processing Applications is a textbook that combines experiment and theory in assessing the signal processing applications of surface acoustic wave (SAW) devices. One of the modern technology used to perform this particular signal processing is SAW (Surface Acoustic Wave) filter technology. SAW filters are electromechanical devices used in wide range of radio frequency applications providing frequency control, frequency selection and signal processing capabilities. Their performance is based on piezoelectric characteristics of a substrate (which will ...Get this from a library! Surface acoustic waves for signal processing. [Michel Feldmann; Jeannine Henaff]