

# Abstracts

## A Numerical Technique for SAW Diffraction Simulation

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*D. Penunuri. "A Numerical Technique for SAW Diffraction Simulation." 1978 *Transactions on Microwave Theory and Techniques* 26.4 (Apr. 1978 [T-MTT]): 288-294.*

An efficient numerical technique is presented for simulating the effect of diffraction on the performance of surface acoustic wave (SAW) devices. A computer code based on this technique accurately predicts the performance of several "practical" bandpass filters fabricated on ST-cut quartz. Since the algorithm is fast, an iterative design procedure which minimizes the frequency sidelobes in the presence of diffraction is now practical.

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