

in this direction is believed to be the source of the difficulty in generating clear, strong echoes.

To help elucidate this problem and clarify the relations of the elastic constants in a cubic crystal, the elastic constants, C'_{11} , C'_{33} , and C'_{66} of silver were calculated as function of spherical coordinates about the directions $[100]$, $[110]$, and $[111]$ and are displayed in graphical form in the appendix.