Table IV

The Elastic Constants of Silver

at 25°C in units of 10^{12} dyne cm^{-2}

A. The normal and shear constants for the [110] direction compared with those from Bacon and Smith[4].

Constant	This Work	Comparison	Difference
$C^{n}_{110} = C_{11} - C' + C$	1.5520	1.5486	0.2%
$C^{\tau_1}_{110} = C$	0.4628	0.4613	0.3%
$C^{\tau_2}_{110} = C'$	0.1527	0.1528	-0.1%

B. The directly measured normal and shear constants for the [100] and [111] directions compared with those computed from our measurements on the [110] crystal.

Constant	Measurement	From 110	Difference
$C^{n}_{100} = C_{11}$	1.2419	1.2419	0.0%
$C^{\tau}_{100} = C$	0.4636	0.4628	0.2%
$C^{n}_{111} = \frac{1}{3}(3C_{11} - 4C' + 4C)$	1.6574	1.6554	0.1%
$C^{\tau}_{111} = \frac{1}{3}(2C' + C)$	0.2553	0.2561	-0.3%