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Equations of state of Plagioclase Feldspars

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In the original paper (Contributions to Mineralogy and Petrology 146:506–512) the equations for the bulk moduli of plagioclase feldspars were printed incorrectly in both the abstract and on page 510. The correct equations and associated text are:

The bulk moduli of plagioclases for a 3rd-order Birch-Murnaghan EoS can be described by the pair of equations:

$$K_{T0} = 54.1(3) + 0.39(1)X_{An} \quad \text{for } X_{An} < 50$$

$$K_{T0} = 59.5(3.1) + 0.23(4)X_{An} \quad \text{for } X_{An} > 50$$

with $K'_0 = 5.8$ for plagioclase with $X_{An} < 20$ and $K'_0 = 3.2$ for $X_{An} > 35$. These parameters can also be used in a Murnaghan EoS to describe the volume variation of plagioclase feldspars up to pressures of 3 GPa.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00410-003-0515-5>

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