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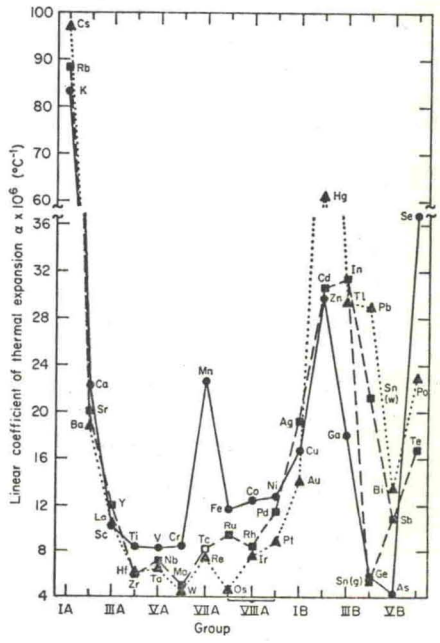

FIG. 9. Linear coefficient of thermal expansion of the elements of the fourth, fifth, and sixth periods of the Periodic Table. Open points are estimated values.

elements the coefficient of expansion increases, slowly at first, reaching a maximum at approximately the configuration s^2d^{10}, i.e., zinc and its cogeners. As one moves further along in the respective periods, another minimum is reached when the p level is half filled, i.e., at arsenic, antimony, and