

The following remarks can be made :

a) + For the Bi 3 - 5 transition all these excess values are below the corresponding values of the scales. It is a striking case of inconsistency, at least for the scales A, B and D. This results from the fact that the calibration curve of the present apparatus is nearly linear up to about 100 kbar.

The scale C is the more coherent.

b) - For the Sn transition the linear extrapolation does not reveal any inconsistency even if this extrapolation uses the scale value of the pressure transition of Bi 3 - 5.

c) - For the Fe transition the linear extrapolation gives a result which is very far off, even if the scale value of the pressure transition of Sn is used.

If a linear extrapolation is made through all the range the pressure transitions are found to be 78 ± 2 kbar for Bi 3 - 5, 104 ± 5 kbar for Sn, and 170 ± 17 kbar for Fe which is certainly very far for the true value.

2° - EXPONENTIAL EXTRAPOLATION.

The exponential extrapolation hopefully should give a better estimate of the transition pressures. Table 5 gives the calculated values.

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