

CONCLUSION

In summary it can be concluded that: (1) A quadratic polynomial is generally the best representation of the pressure dependence of a logarithmic rate constant regardless of the reaction type; (2) it appears *necessary* and *sufficient* to allow for the non-zero pressure dependence of activation volumes, and *this dependence is measurable*; and (3) differentiation of the appropriate function gives rise to a precise measurement of activation parameters.

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