

important and decisive progress would be made by determination of the absolute value of the layer thicknesses of the adsorbate.

To demonstrate that the different methods really show the same results, computations were made with our modification of Cranston and Inkley's method by using the same sorption data given by the other authors. Figure 2 shows one of the results. The additional calculation of the respective cumulative surface areas and volumes shows good agreement with the corresponding BET values calculated from the isotherms given by the authors. Especially in the case of the Dollimore and Heal data, an improvement relative to the BET value was found, probably on account of the above-mentioned reasons.

REFERENCES

1. DOLLIMORE, D., AND HEAL, G. R., *J. Appl. Chem.* **14**, 109 (1964).
2. CRANSTON, R. W., AND INKLEY, F. A., *Advan. Catalysis* **9**, 143 (1957).
3. MONTARNAL, R., *J. Phys. Radium* **14**, 732-733 (1953).
4. LIPPENS, B. C., M.Sc. Thesis. Technische Hogeschool, Delft, 1961.
5. HALSEY, G., *J. Chem. Phys.* **16**, 931 (1948).
6. CLÉMENT, C., MONTARNAL, R., AND TRAMBOUZE, P., *Rev. Inst. Franc. Petrole Ann. Combustibles Liquides* **17**, 558 (1962).
7. BARRET, E. P., JOYNER, L. G., AND HALENDA, P. P., *J. Am. Chem. Soc.* **73**, 373 (1951).

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Author's Note

Vol. 5, No. 1 (1966), in the article entitled, "Determination of Effective Diffusivities of Catalysts by Gas Chromatography," pp. 22-26:

It has been brought to my attention that an error was made in the use of the Weisz-Schwartz formula. I have recalculated the value based on the velocity of nitrogen obtained from the simple kinetic gas relation and obtain a value of D_p of 0.00108 cm²/sec. This is considerably lower than before but not badly out of agreement with experiment. I also calculated the value based on formula (3) and obtain a value of 0.00206 cm²/sec, which is somewhat closer.

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