

GeH₃



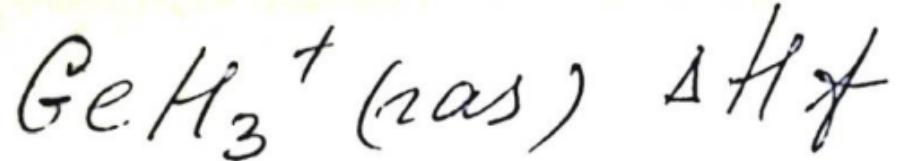
Ge H₃ (gas) ΔH_f

~~1977~~

Steghegeb B.H. 3570 - V TKB

Этотакирел обласобалес
рефлексия Ge H₃ (gas), 5e.





~~1991~~

Мусабегов Б. А.

3571-IVTKB

Эксперимент образован
реакции-иона GeH_3^+ (gas), 2c.

B6P - M1612 - 1V

1966

GeH₃
SiH₃

Mass spectra of volatile hydrides. IV. Silylgermane. Fred E. Saalfeld (U.S. Naval Res. Lab., Washington, D.C.) and Harry J. Svec. *J. Phys. Chem.* 70(6), 1753-5(1966)(Eng); cf. *CA* 61, 11453a. Mass spectra of silylgermane and the related hydrides silane, disilane, germane, and digermane have been studied. Pos. ion fragmentation patterns were measured using 70-v. electrons. From the appearance potentials of selected ions of these compds. the following thermochem. values have been calcd. (in kcal./mole): $\Delta H_f^\circ(\text{SiGeH}_6) = 7.5$; $D(\text{H}_3\text{Si}-\text{GeH}_4) = 99.9$; $D(\text{H}_2\text{Si}-\text{SiH}_3) = 84$; $D(\text{H}_3\text{Ge}-\text{GeH}_3) = 75.5$; $\Delta H_f^\circ(\text{SiH}_3) = 50.4$; $\Delta H_f^\circ(\text{GeH}_3) = 57$; e.a. (SiH_3) = -39.1; e.a. (GeH_3) = -32.3, where e.a. is the electron affinity. RCKG

C.A. 1966 65 · 4
4816 d

Ge H₃

1982

Almond Matthew J.,
Doncaster Alan M., et al.

ΔH_f° ; J. Amer. Chem. Soc., 1982,
104, N 17, 4917-4918.

( $\text{c.c.u. H}_3\text{Ge-H; } \text{III}$)

Ref 3 (2)

Om. 17006

1983

Noble P.N., Walsh R.,

KP, SH;
J. Chem. Kinet., 1983,
15, N 6, 561-568.

Ge H_3

1985

Tellefsen M., Kaldus E.
et al.

T_{tr} ,
 Cuprgem . Helv. phys. acta, 1985,
58, NS, 801-804.

(see. Ge H_2 ; I)

GeH_3

1992

Uloc J., Rudzinski J. M.
et al.

Chem. Phys. 1992. 159,

u. n. N2, C. 197 - 210.

($\text{C}_{\text{ell.}}$  SiH_3 , III)

Ceff₃
Ceff₃ - Mayer, P.M. et al.,
1997.

(A_fH) Int. J. Mass Spectrom.
Ion Processes 1997,
167/168, 689-696

(all: Ceff₄; T)