

THÈSE

présentée à

L'UNIVERSITE SCIENTIFIQUE ET MEDICALE
ET L'INSTITUT NATIONAL POLYTECHNIQUE
DE GRENOBLE

pour obtenir le grade

DOCTEUR ES-SCIENCES PHYSIQUES

par

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SUJET

**Quelques aspects semi-microscopiques
des mécanismes d'aimantation et
d'hystérésis dans les ferromagnétiques
(Figures)**

Soutenue le 2 Juillet 1975 devant la commission d'Examen

MM. L. NÉEL	Président
J.C. BARBIER	
N. BOCCARA	
P. BRISSONNEAU	Examineurs
R. VERGNE	
A. FERRO-MILONE	Invité

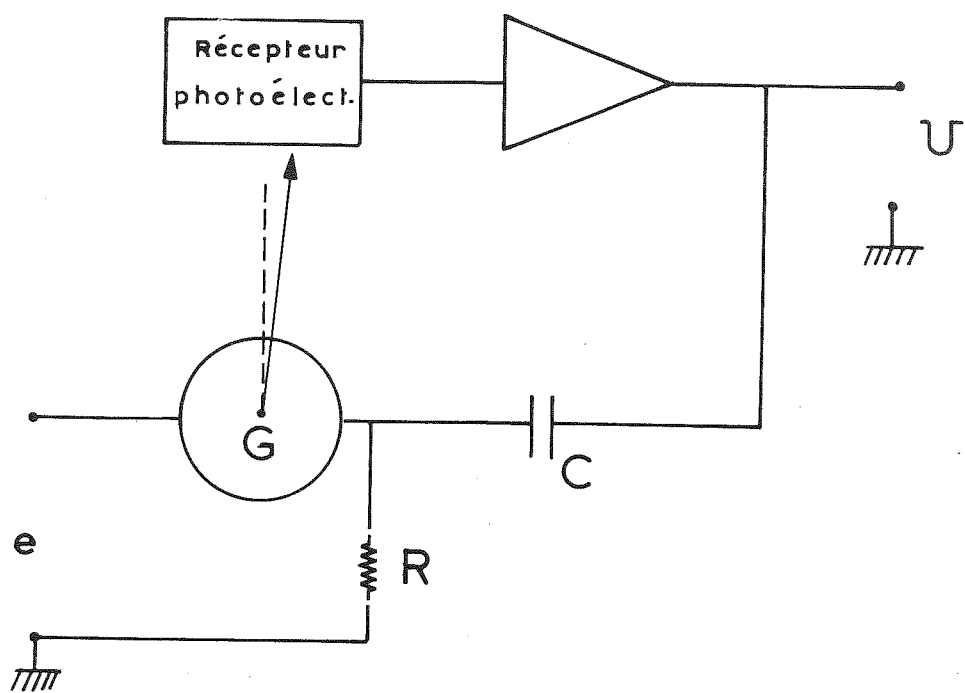


Fig. 1

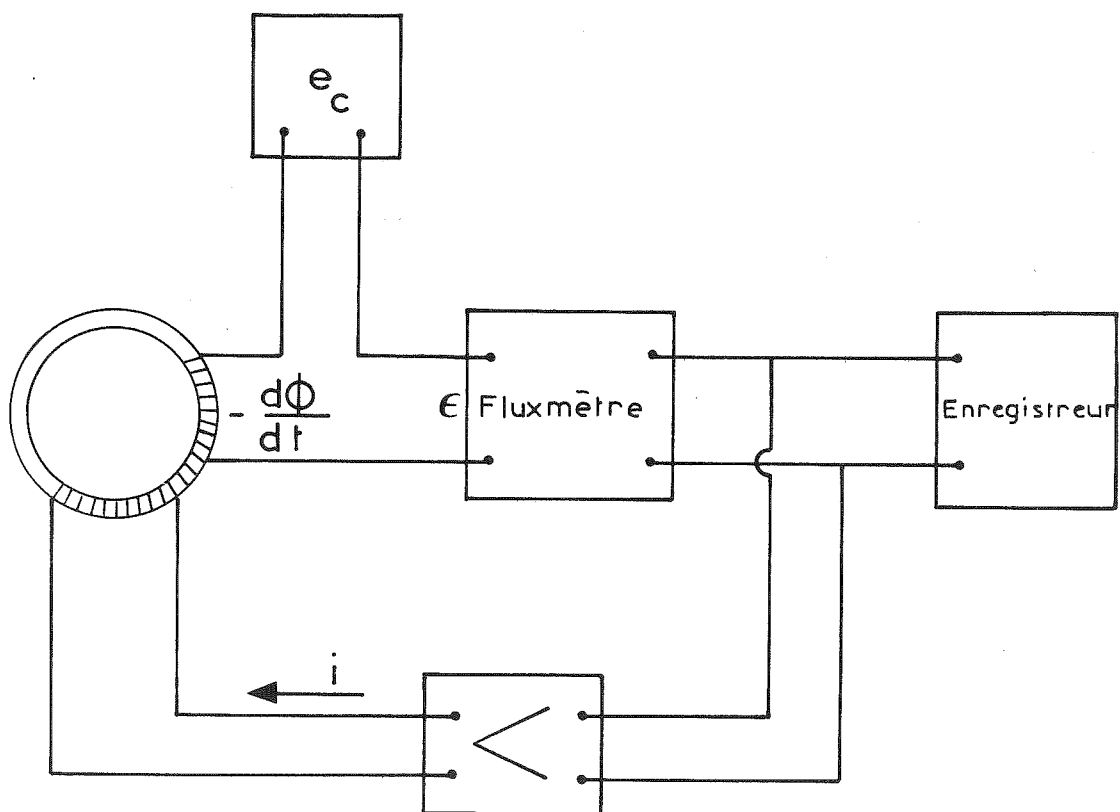
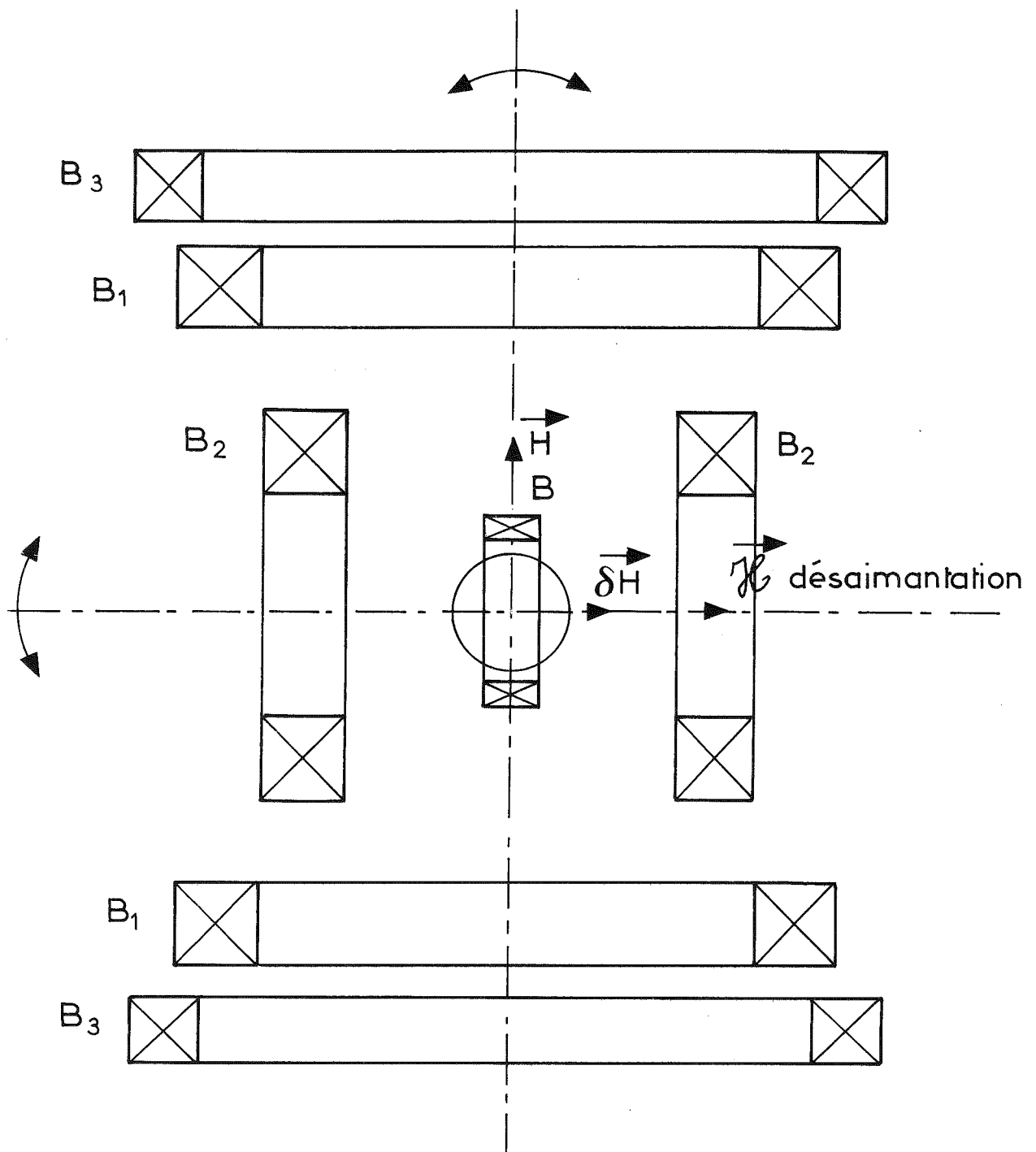


Fig. 2



- B_1 Bobines de champ principal H
 B_2 Bobines de champ additionnel h et de désaimantation
 B_3 Bobines de champ compensation du champ terrestre
 B Ensemble des bobines de mesure

Le plan de figure est le plan du disque

Fig.3

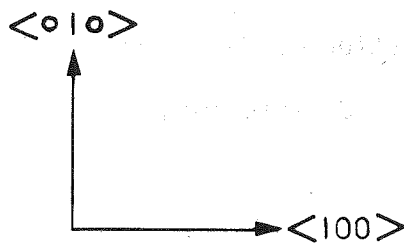
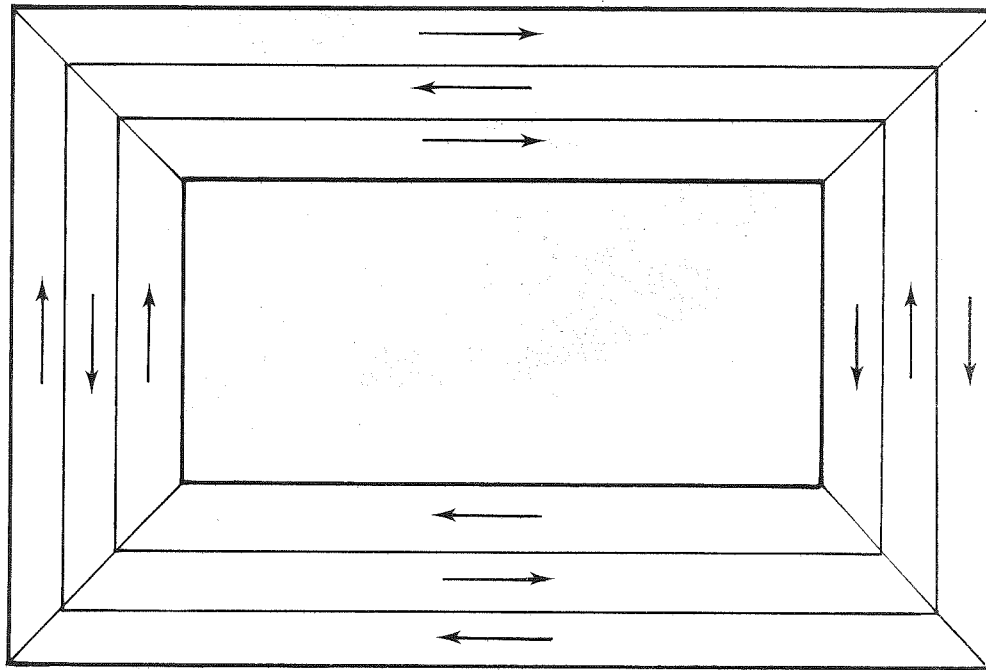
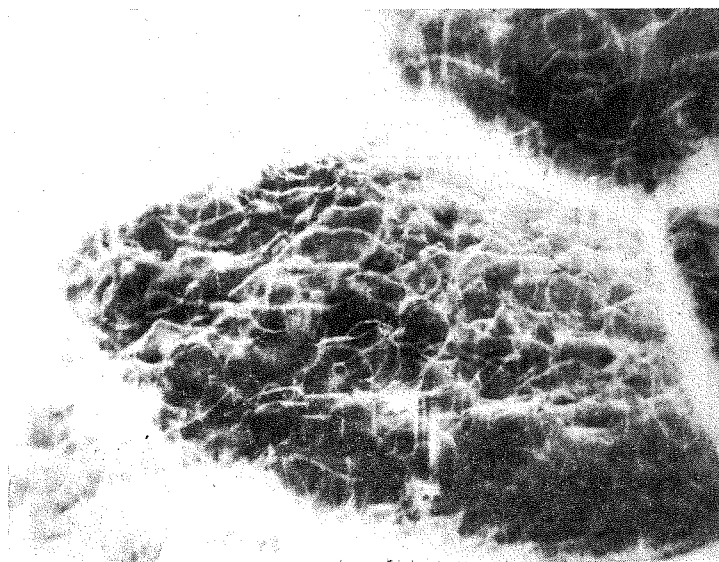


Fig.4



Topographie aux rayons-X du cadre A

Radiation Mo $K\alpha_1$ - Réflexion 020

Grossissement 58

Fig. 5

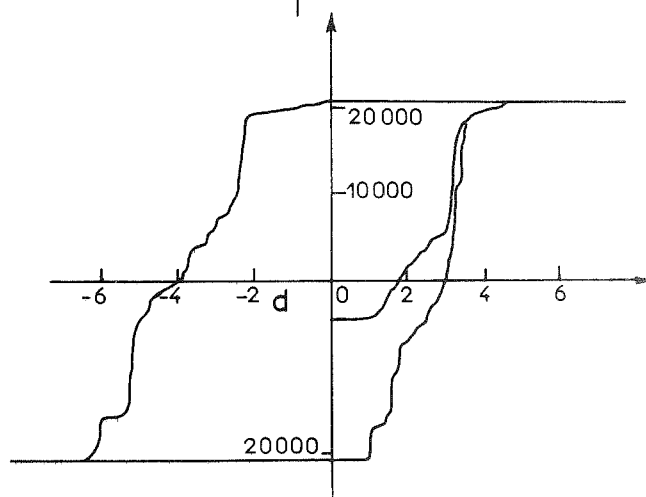
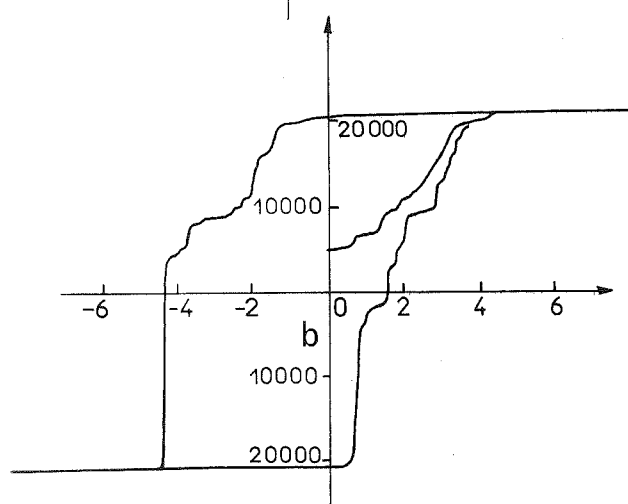
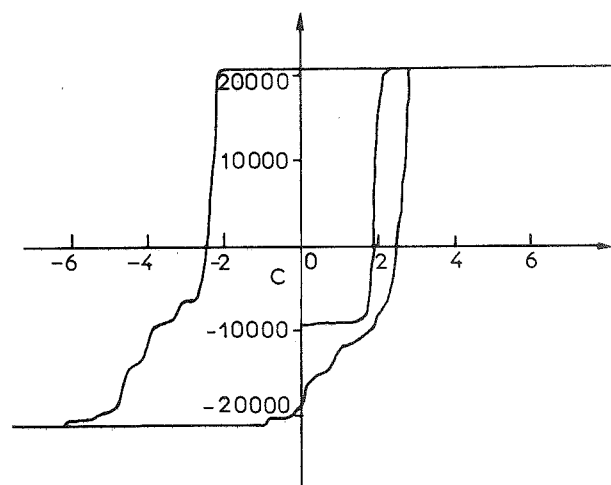
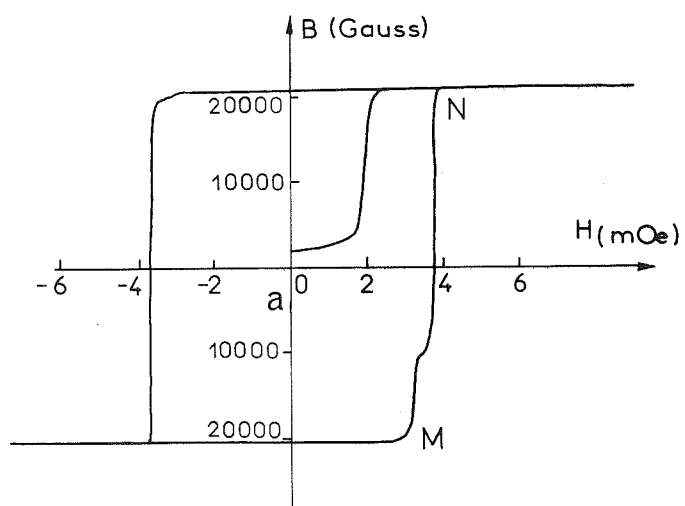


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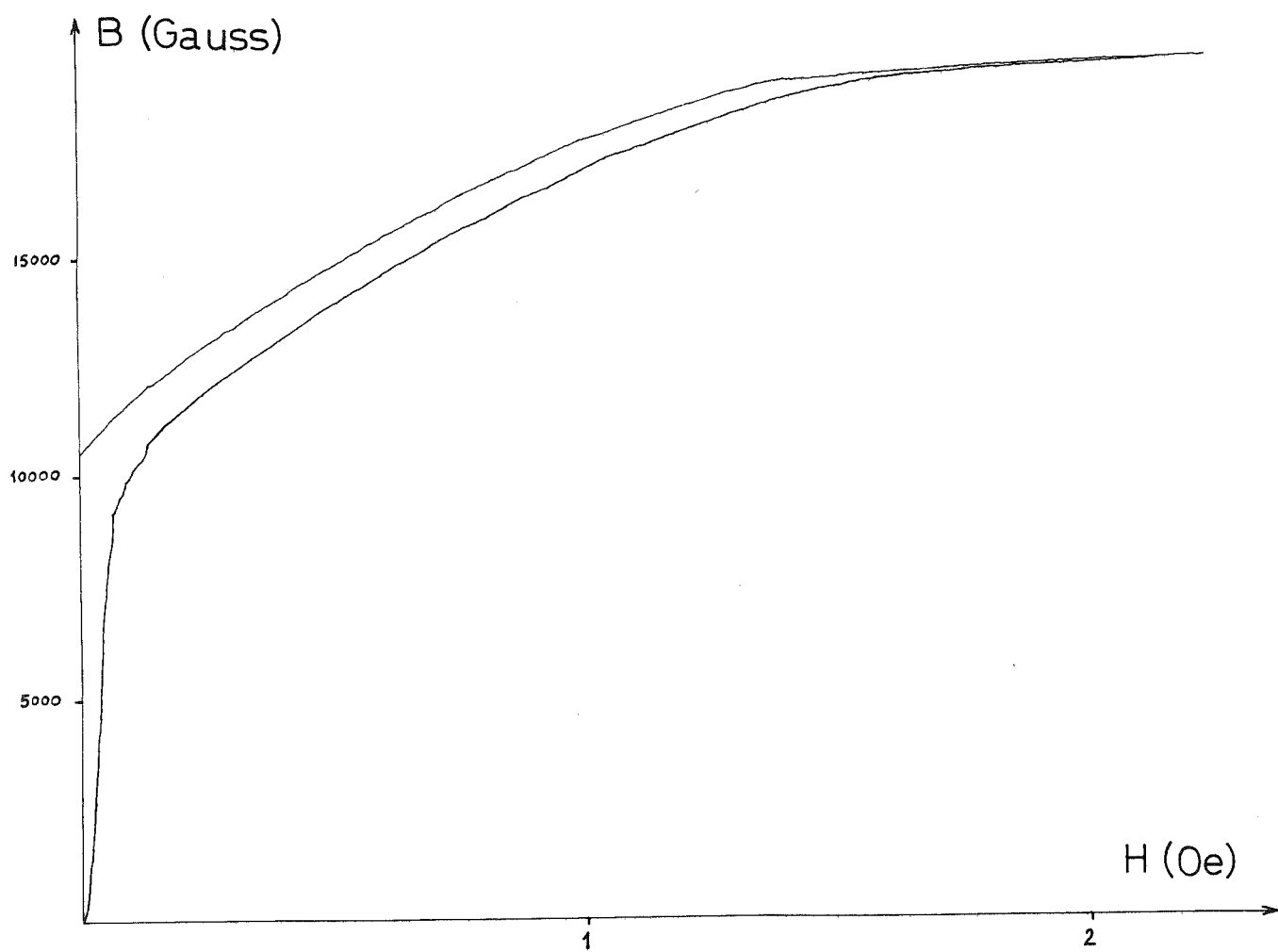


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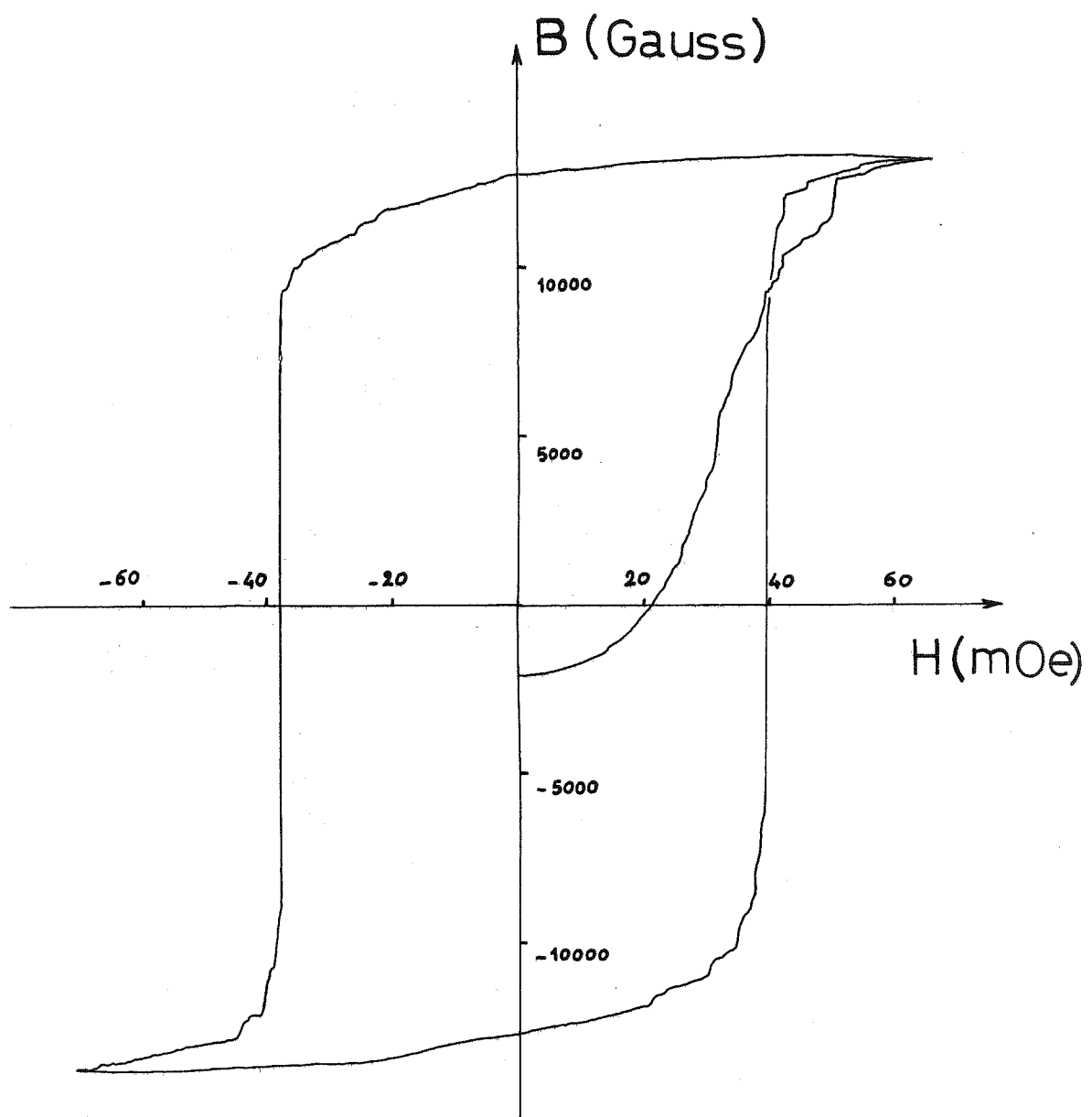


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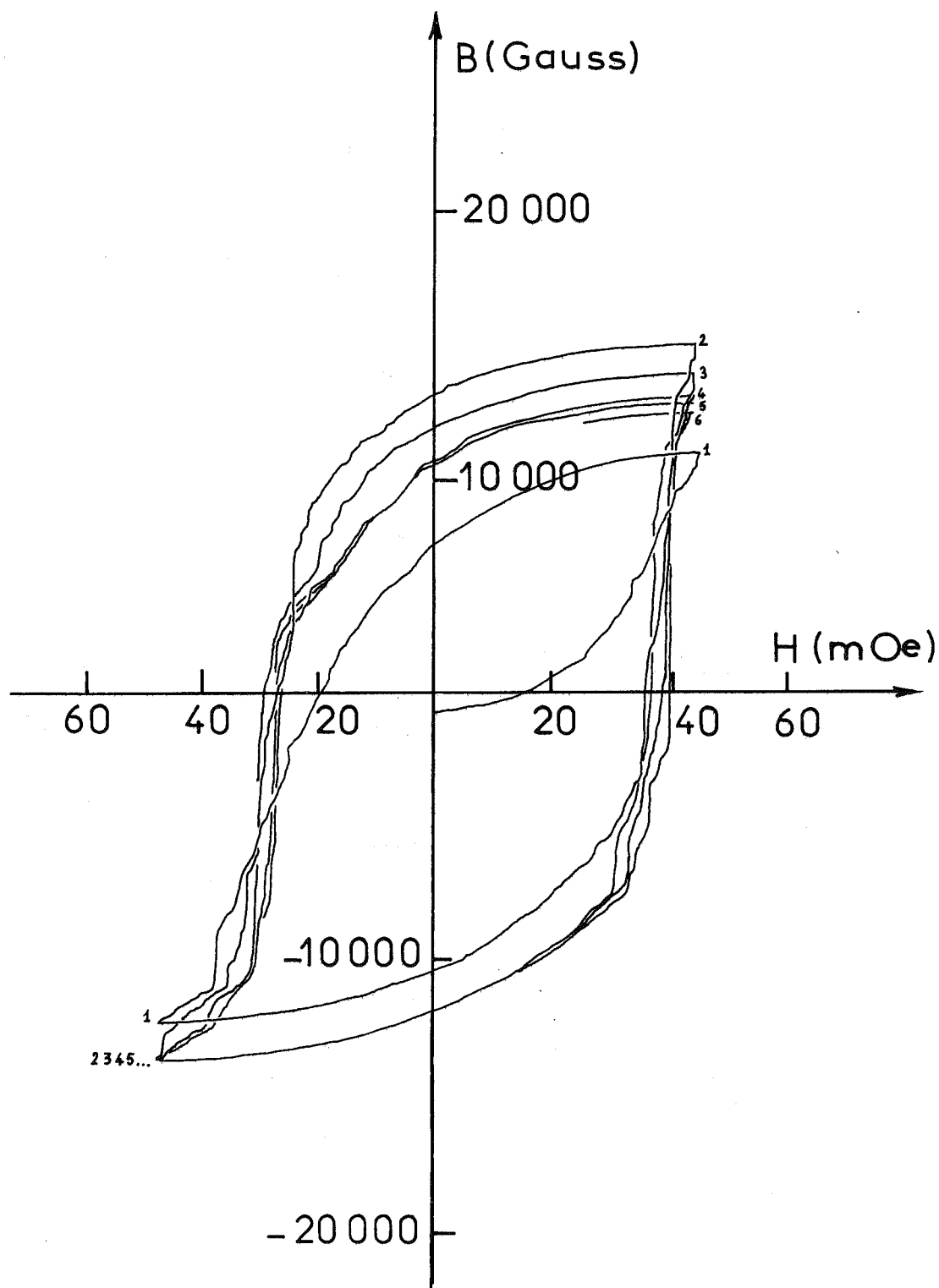


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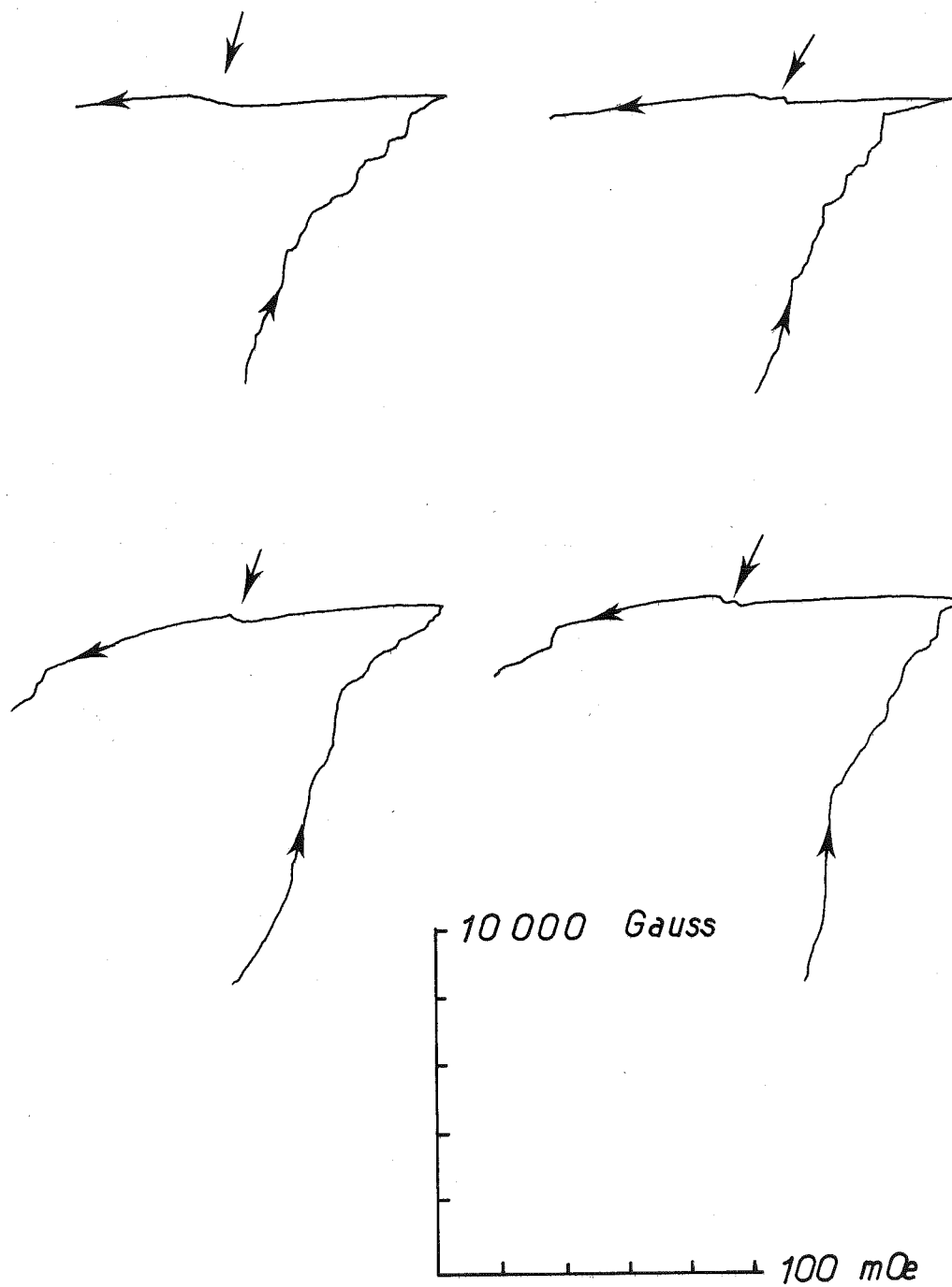


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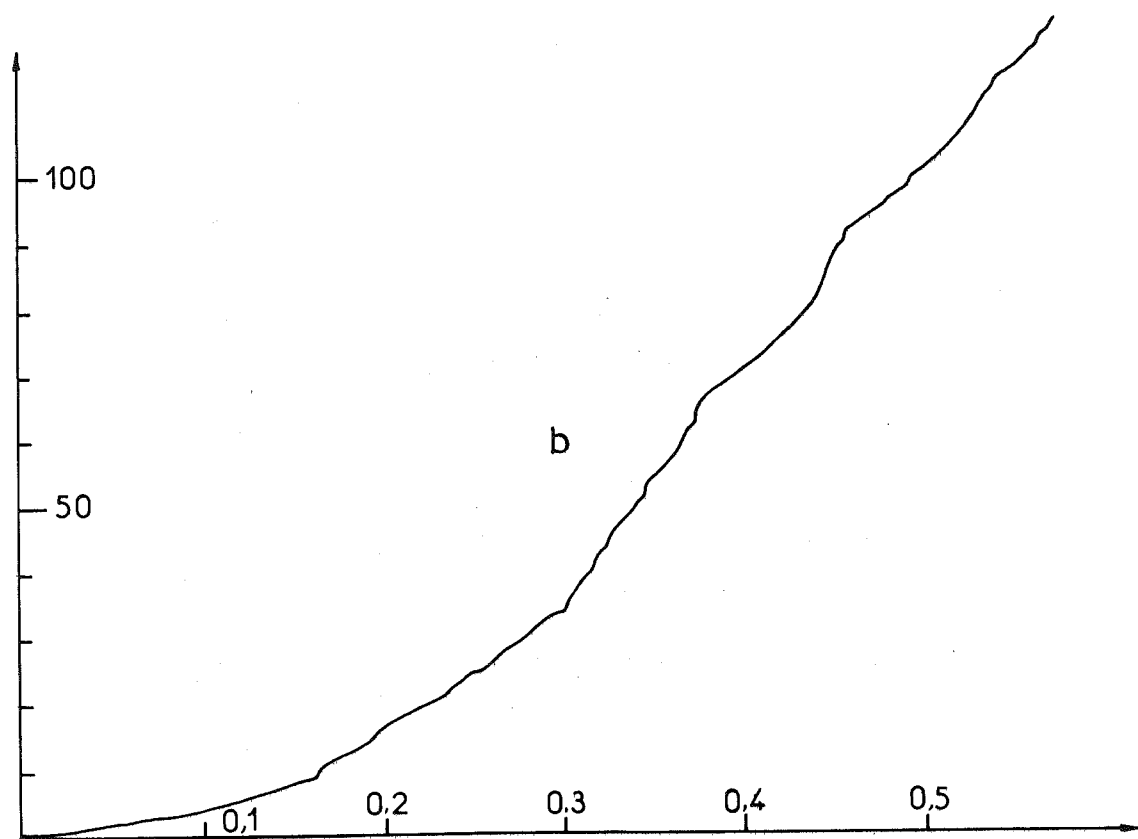
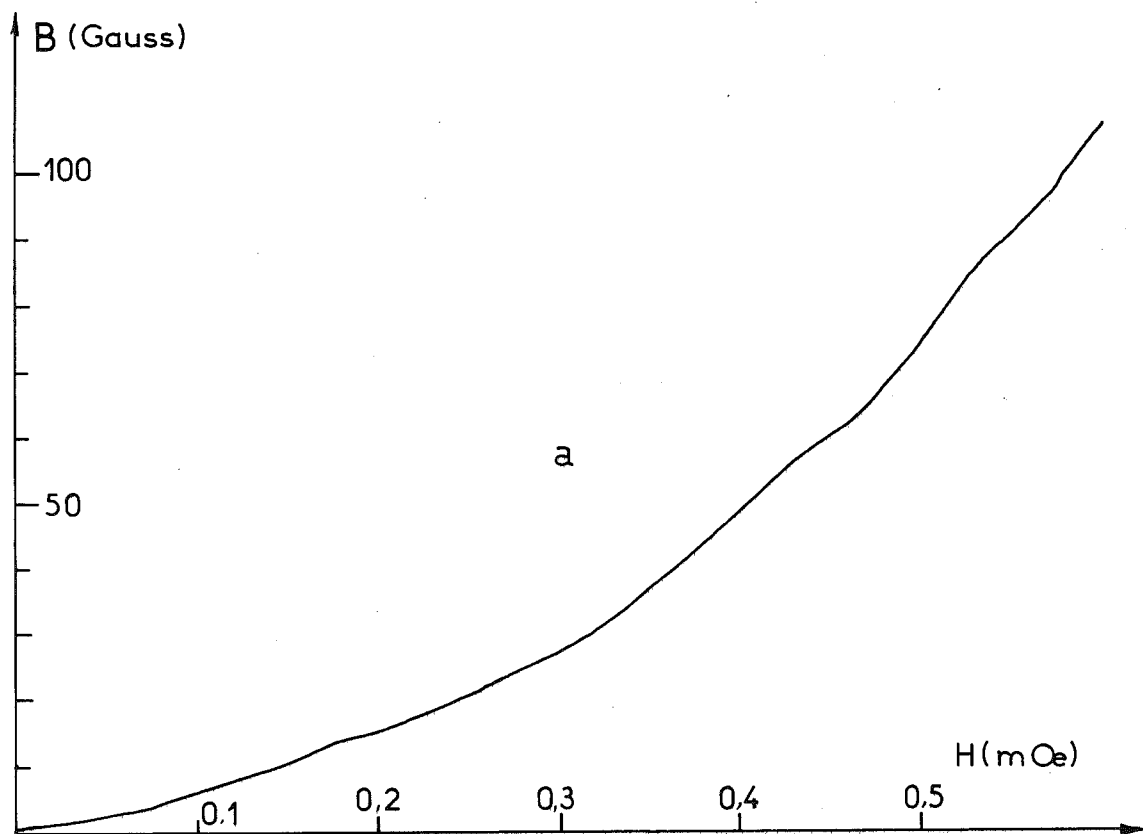


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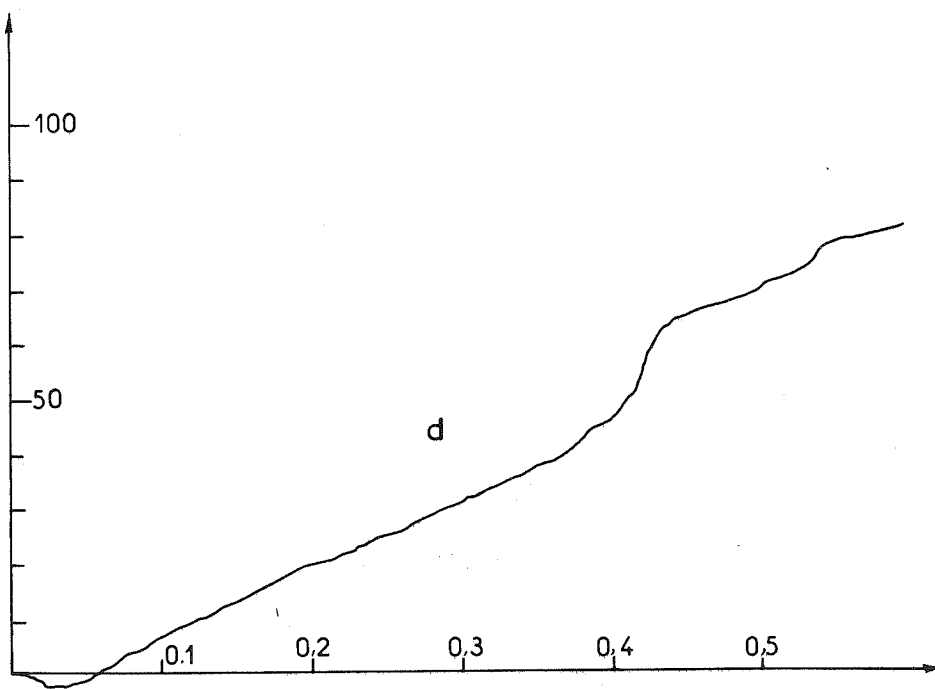
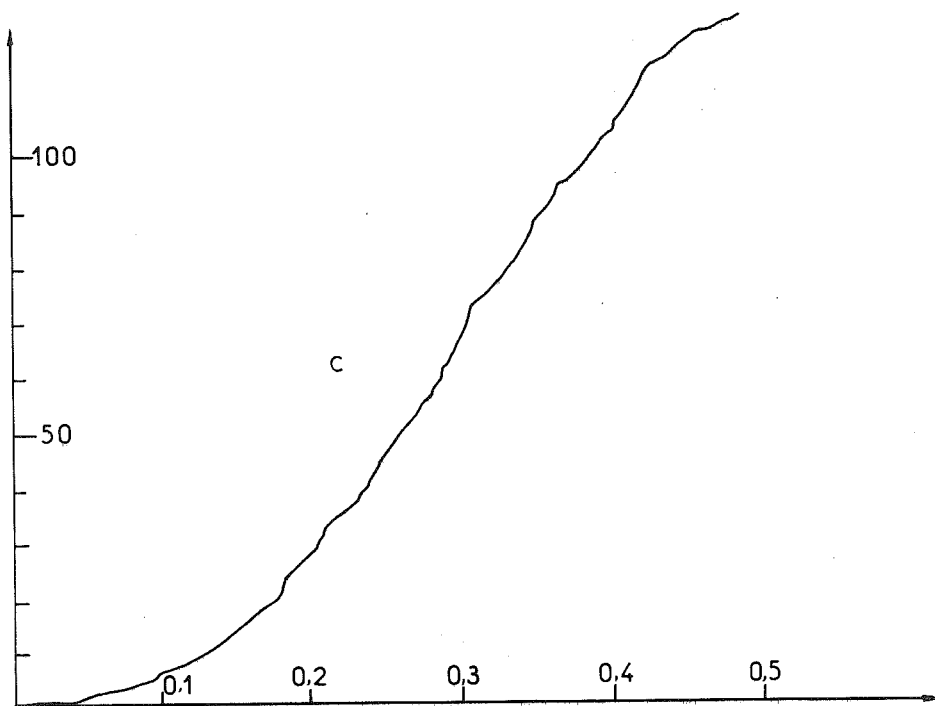


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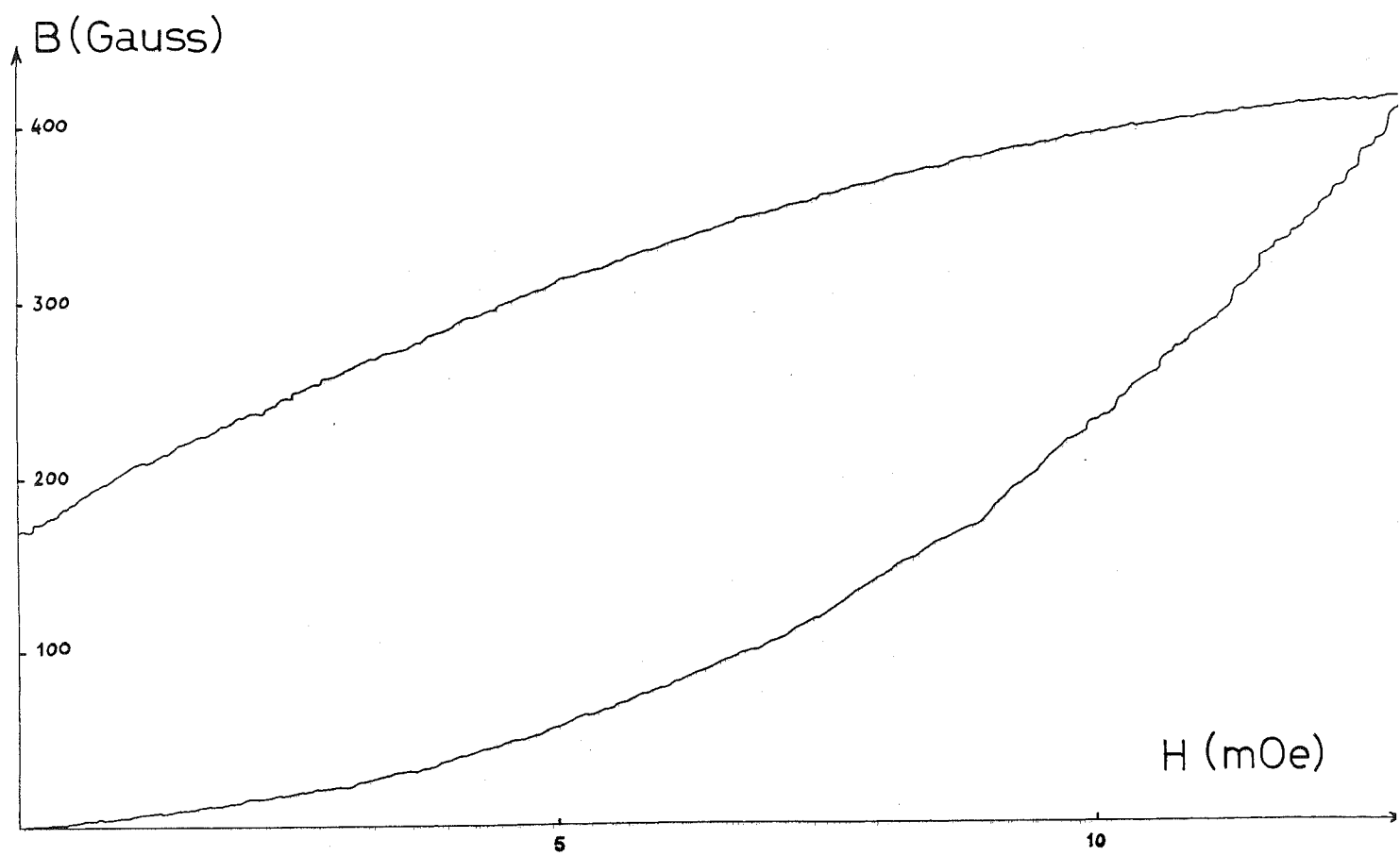


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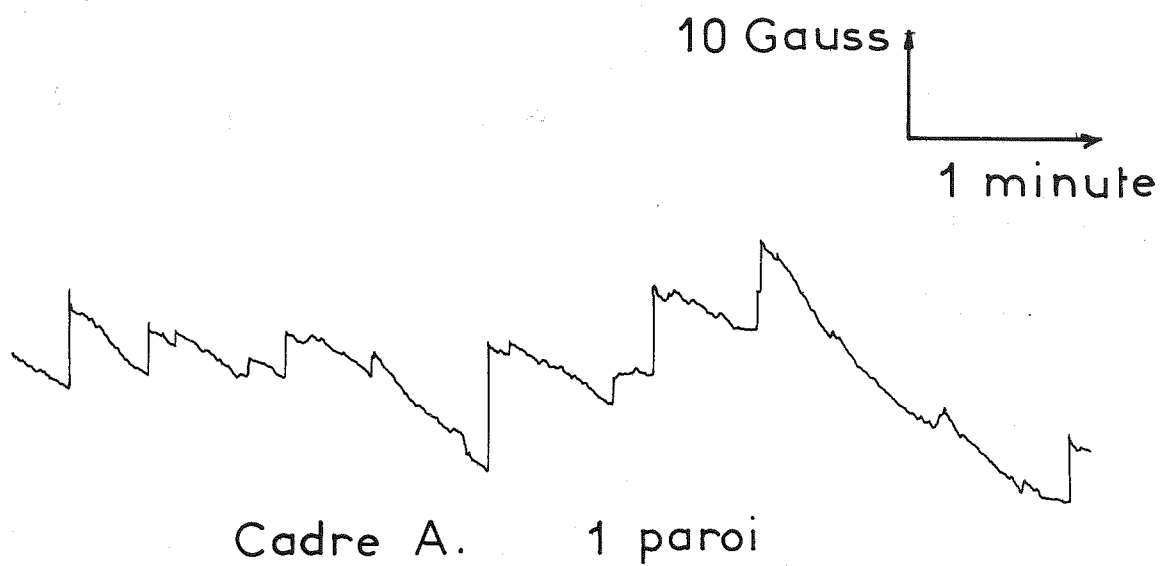


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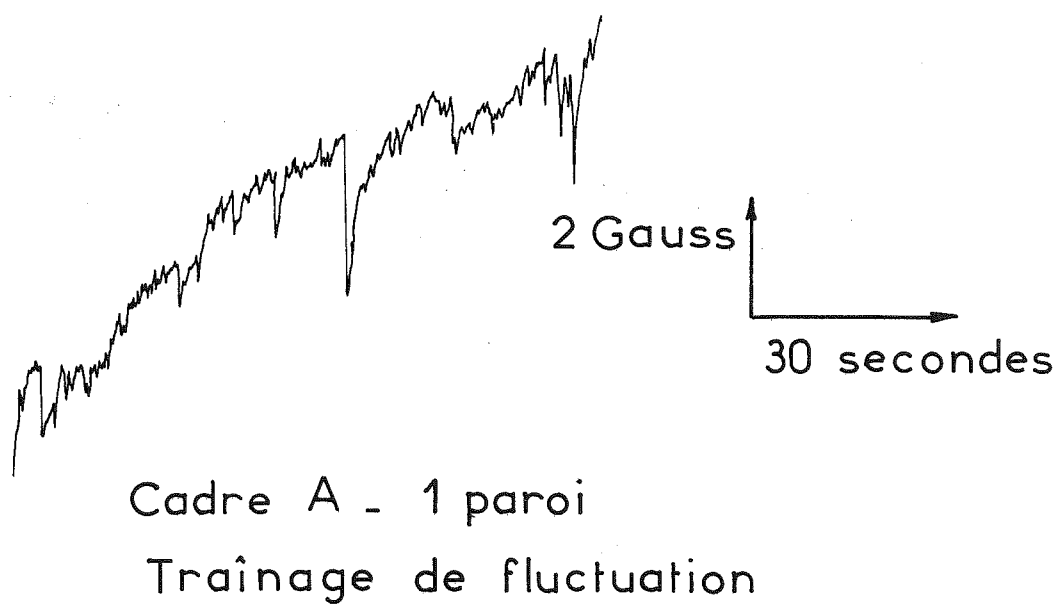


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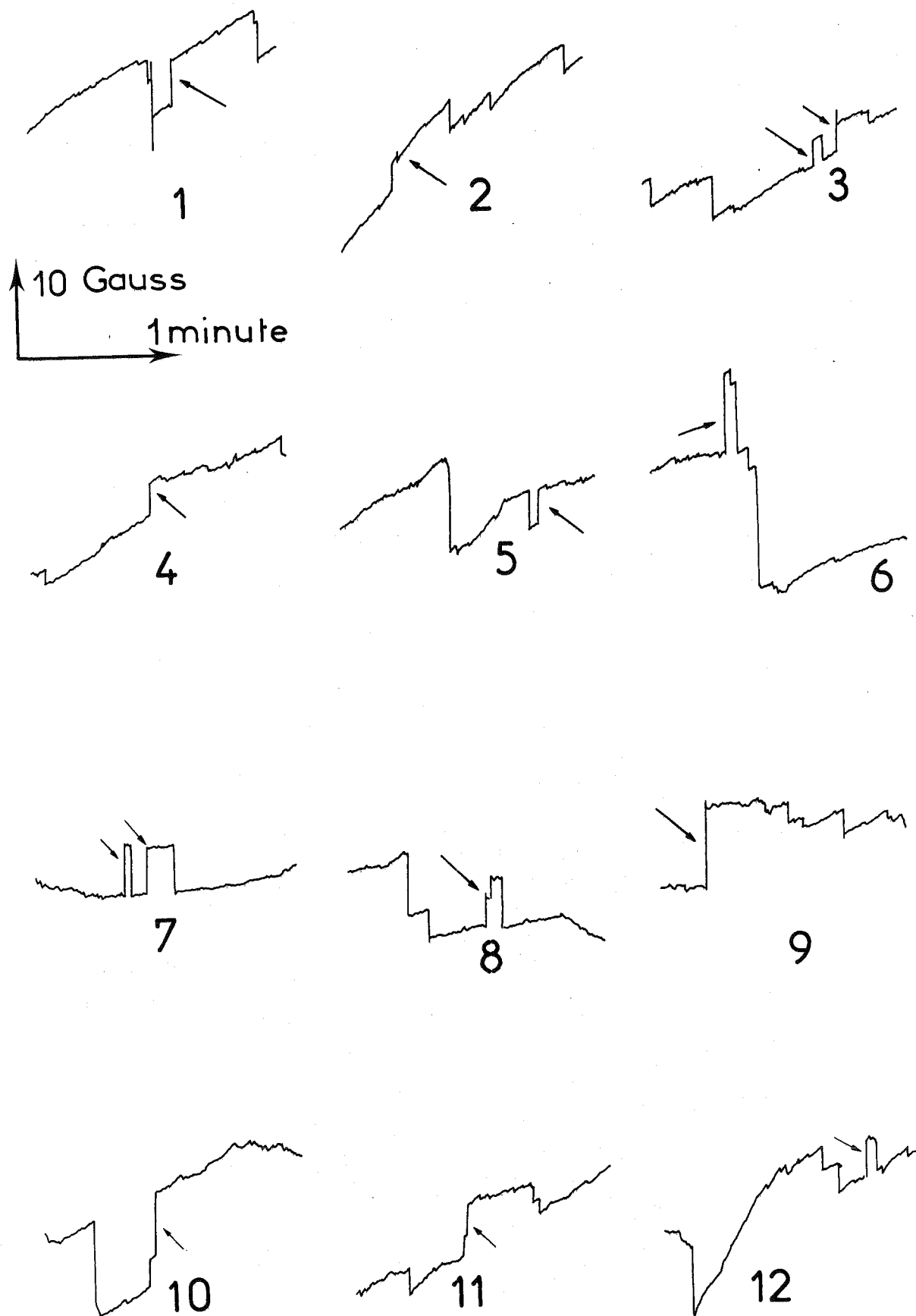


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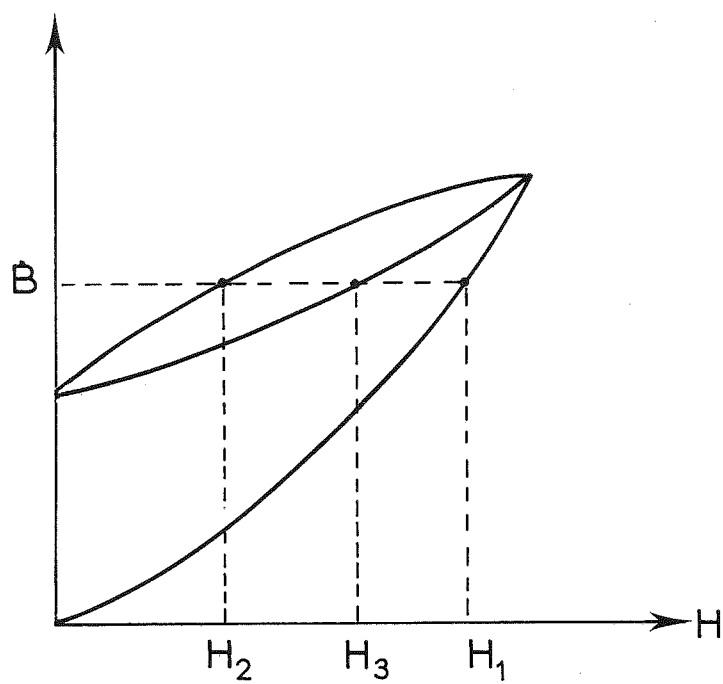


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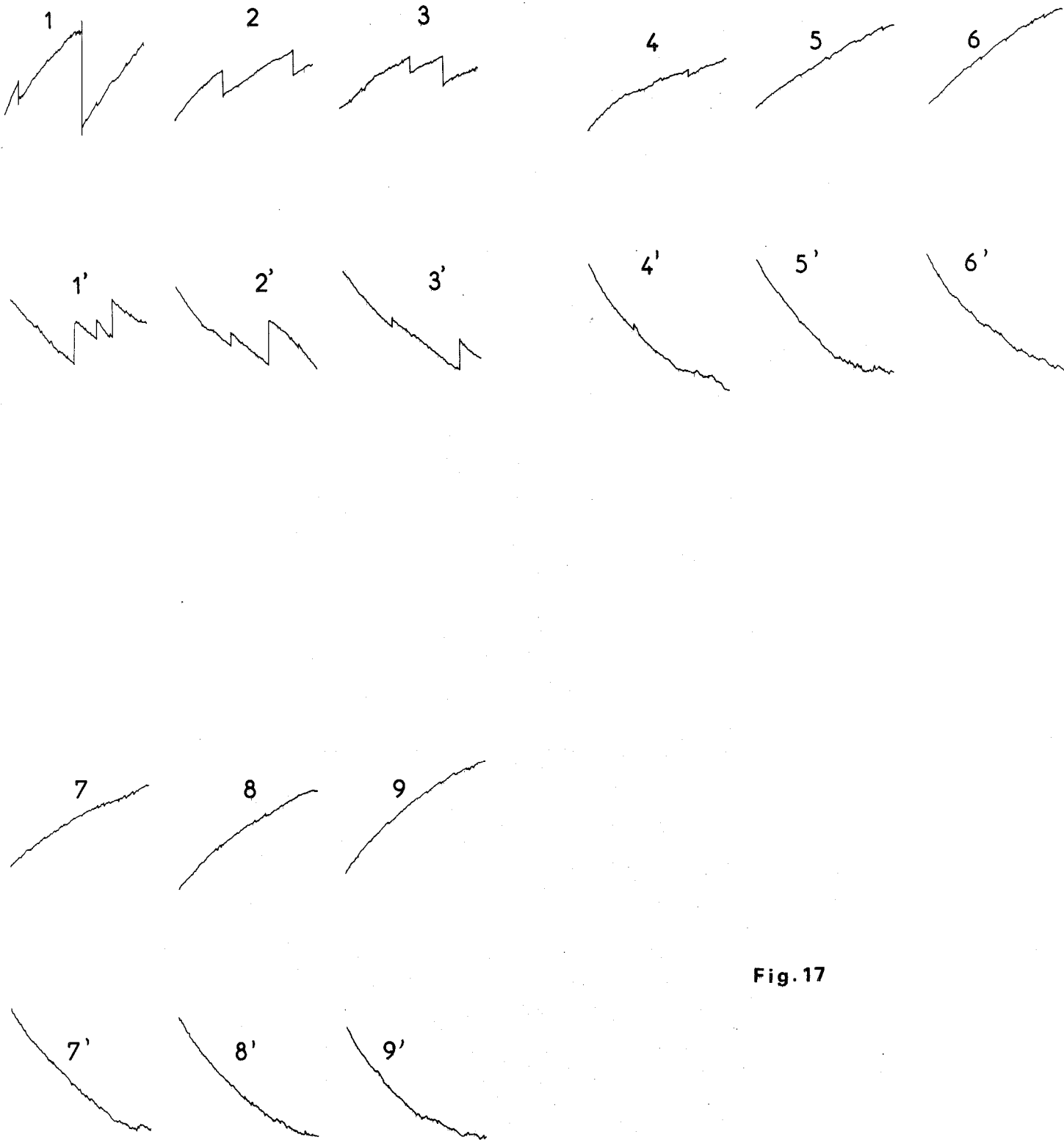
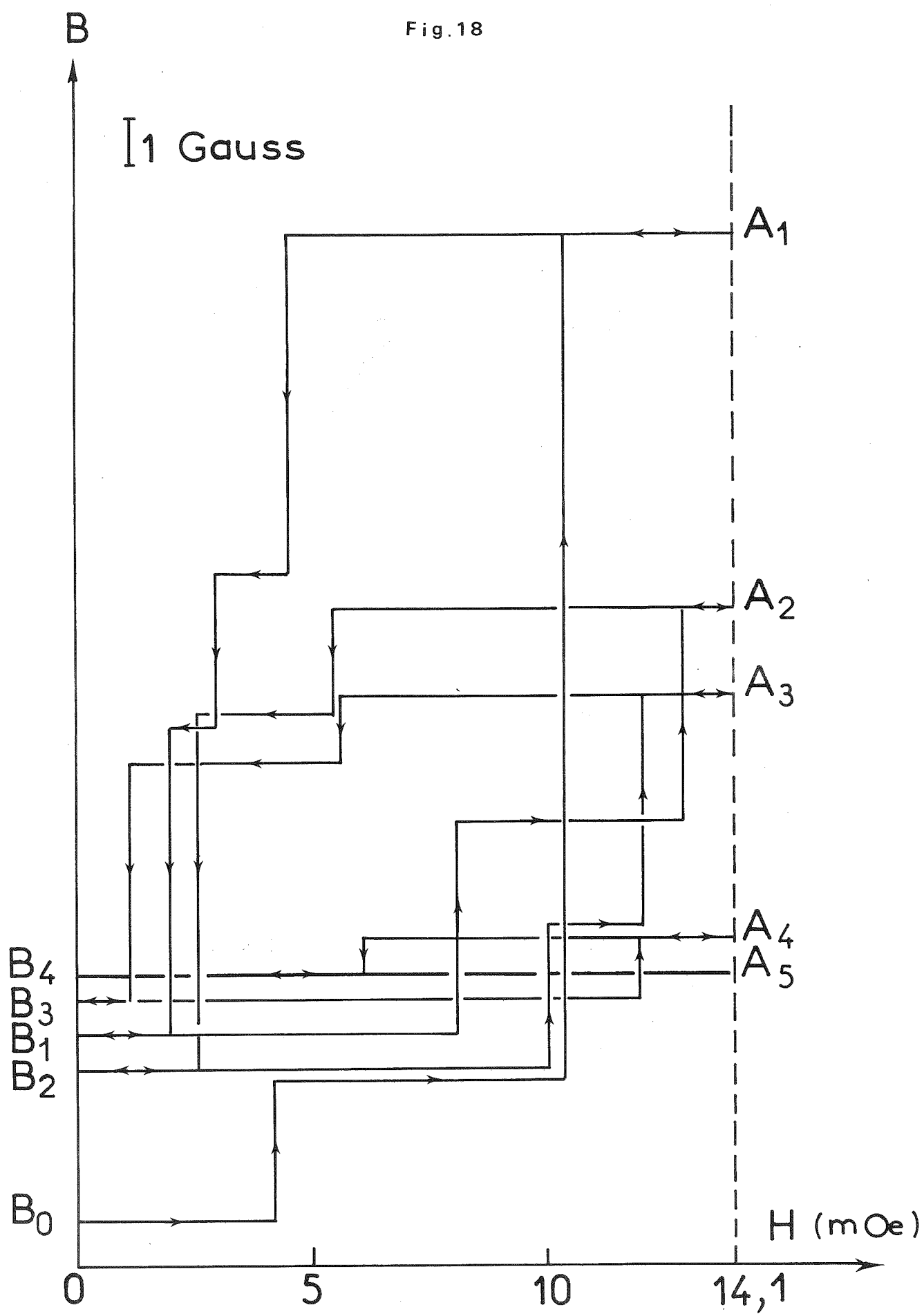


Fig. 17

Fig.18



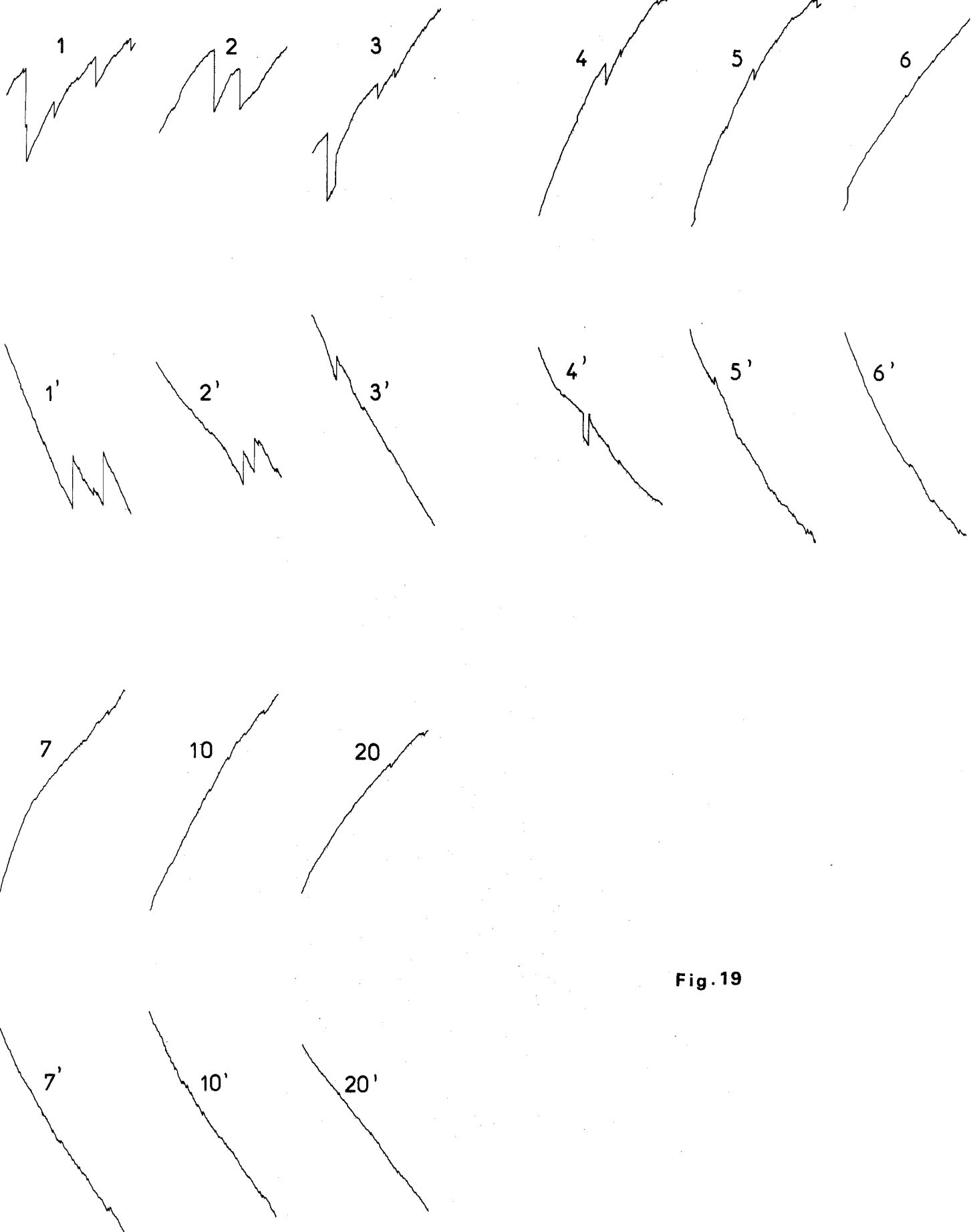


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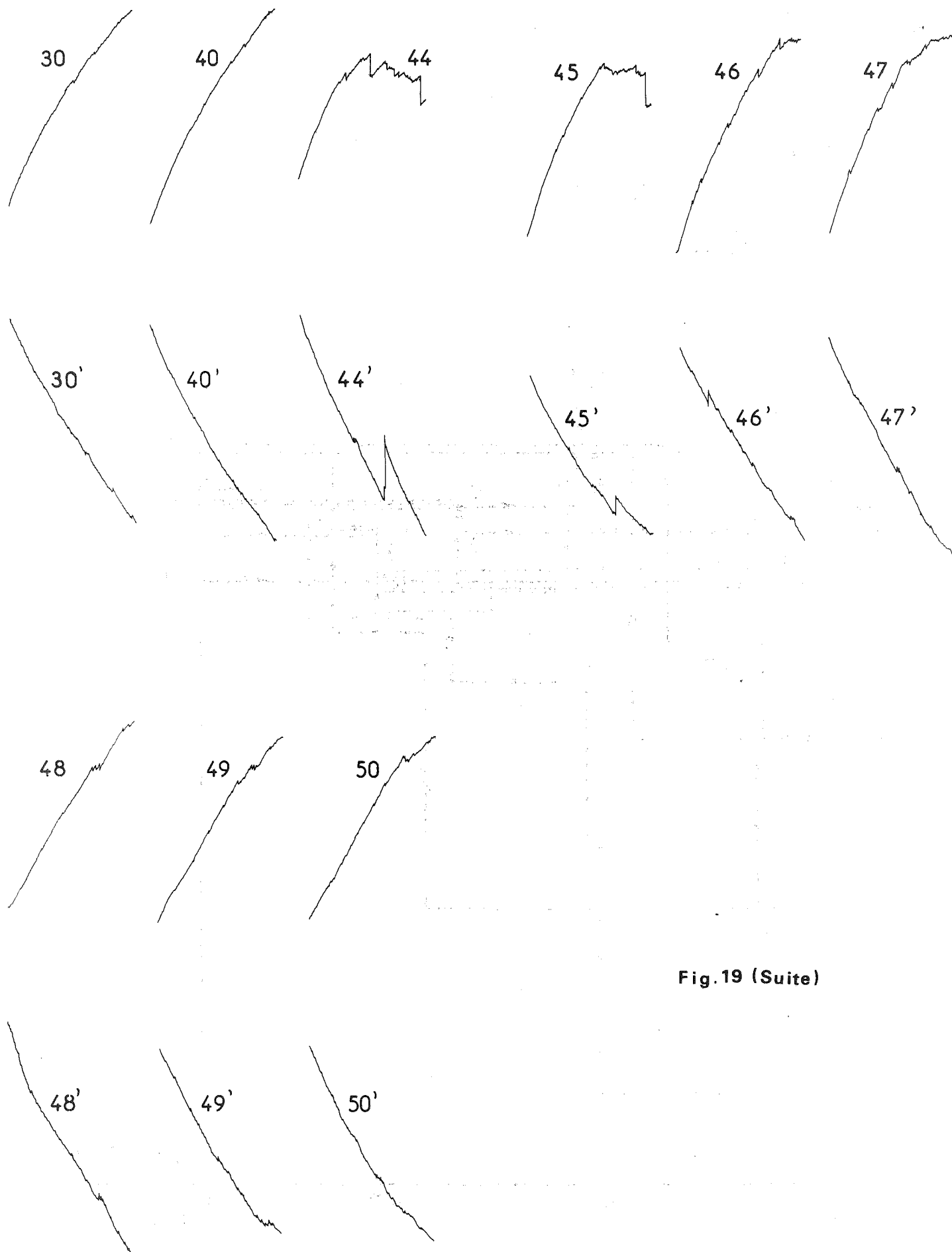


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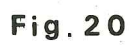


Fig. 20

Fig. 21a

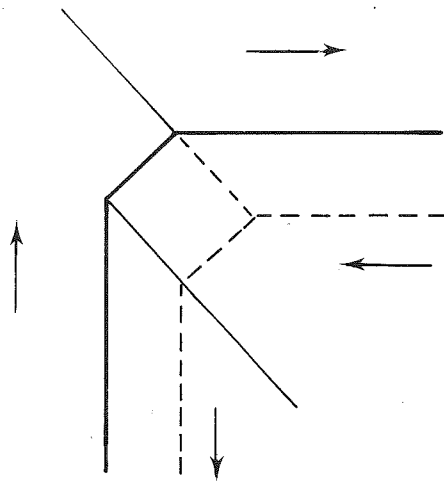
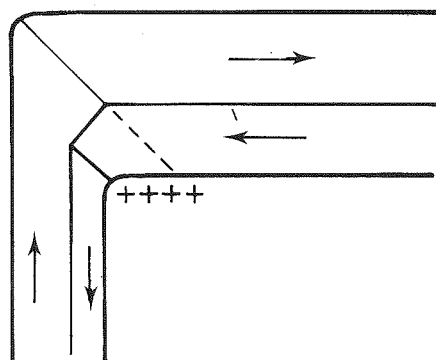


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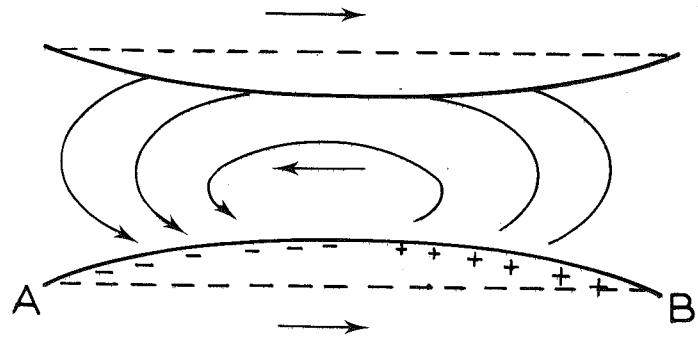


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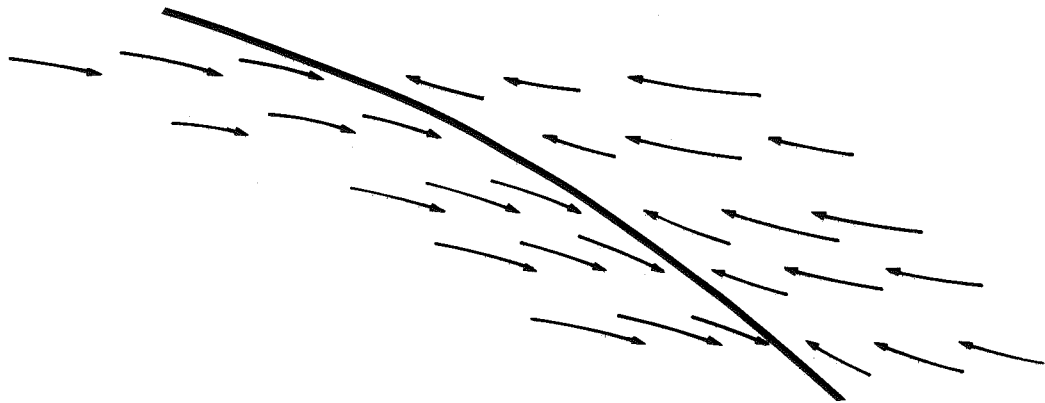


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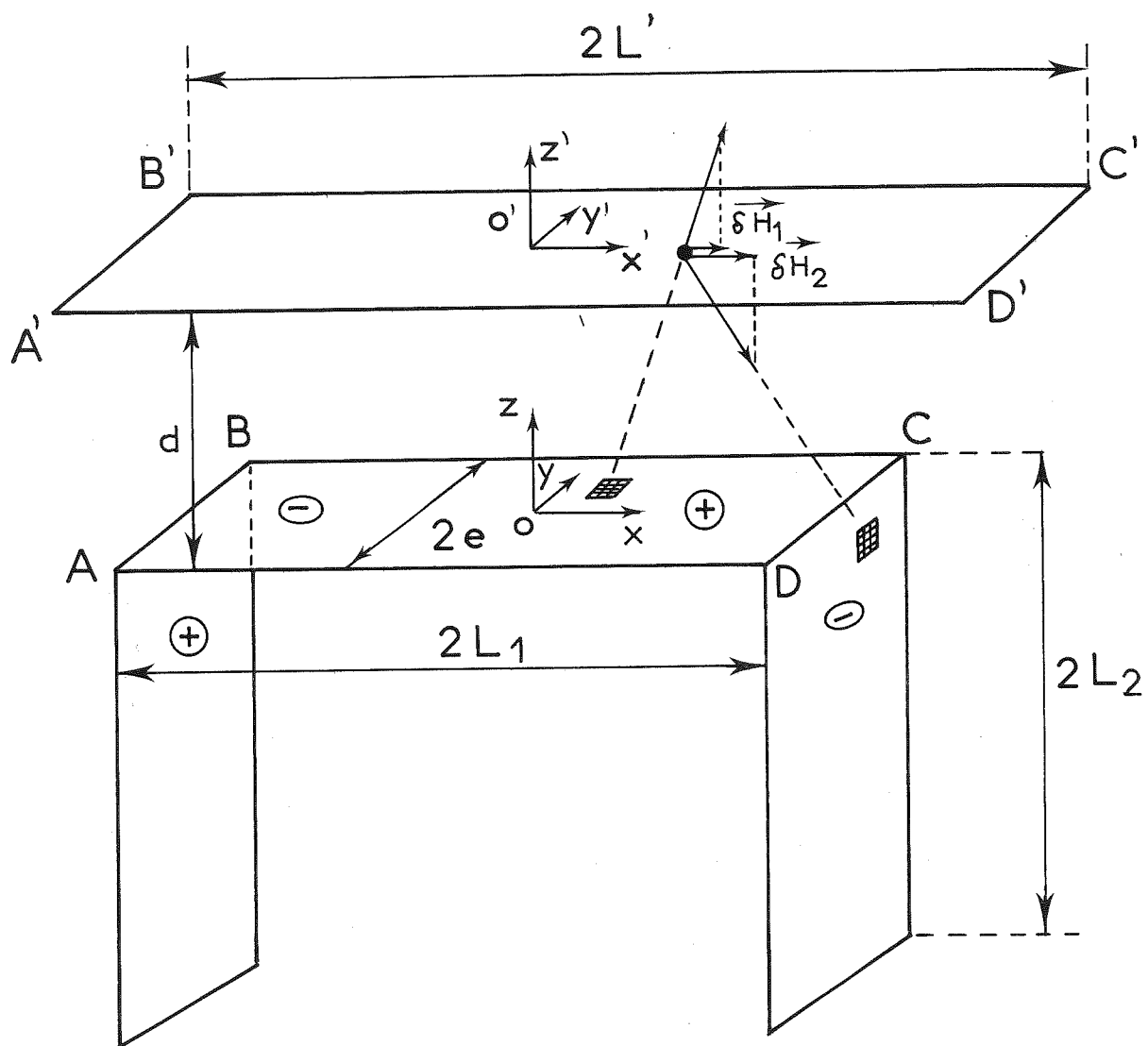


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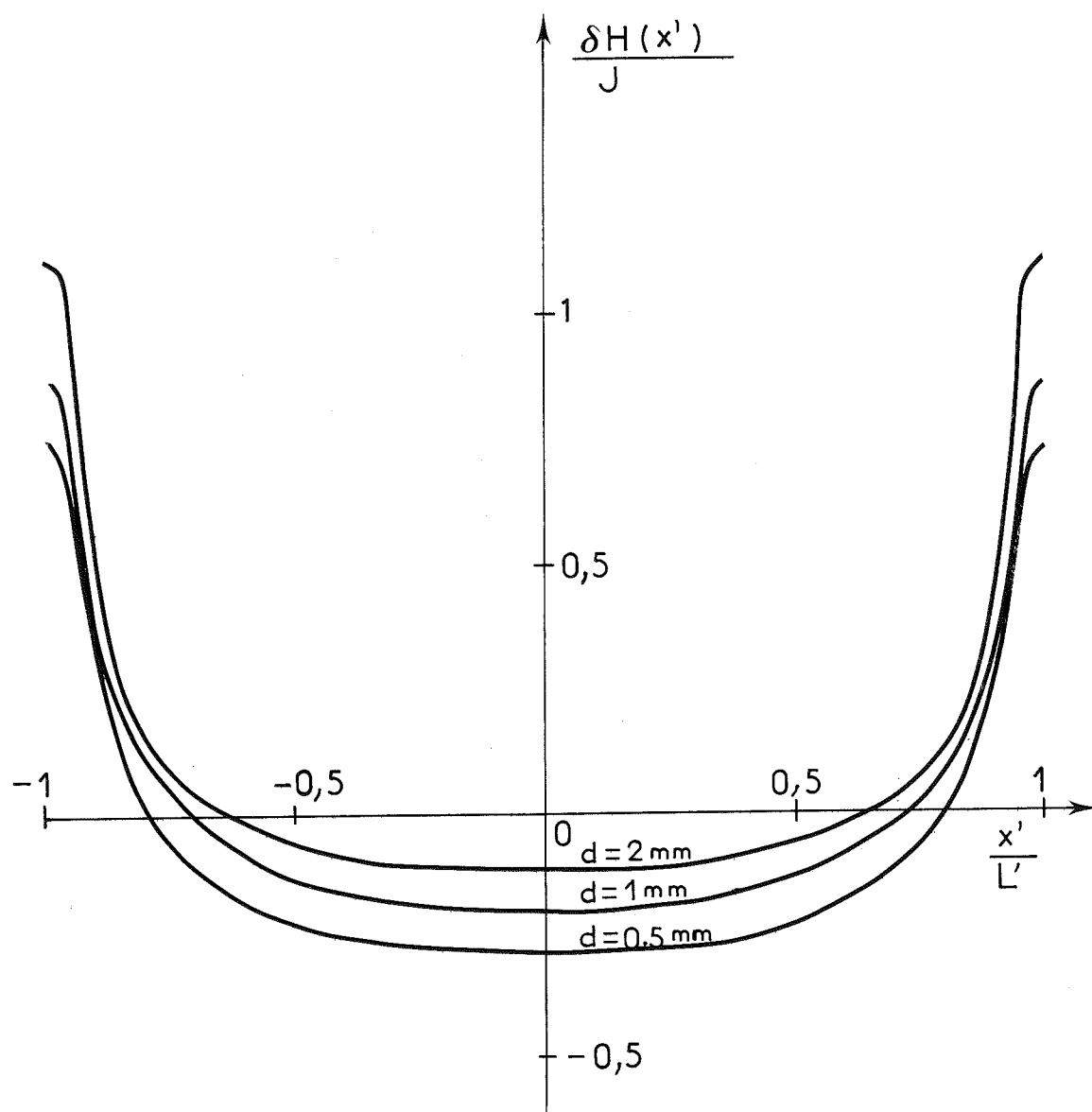


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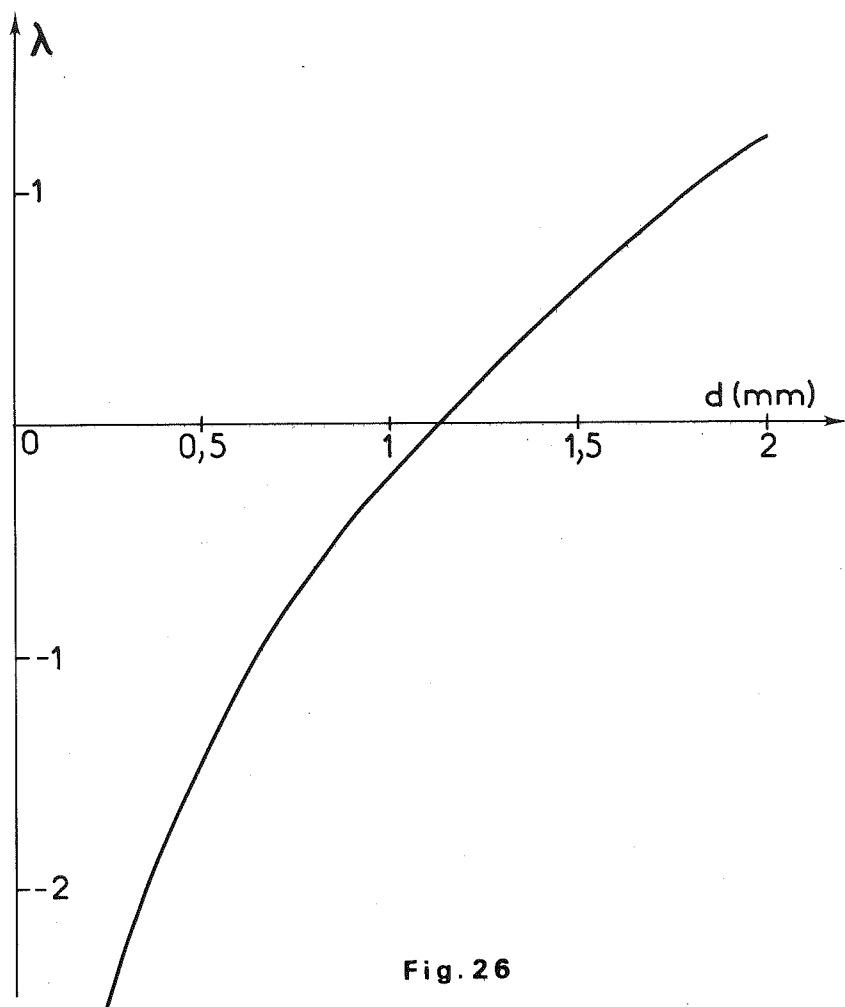


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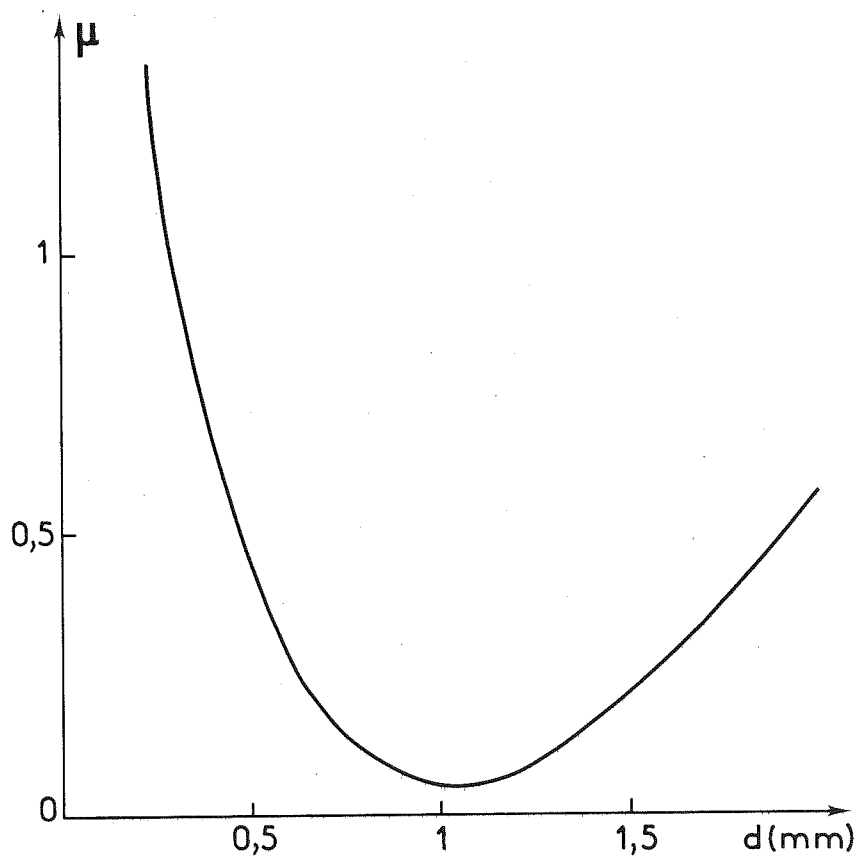


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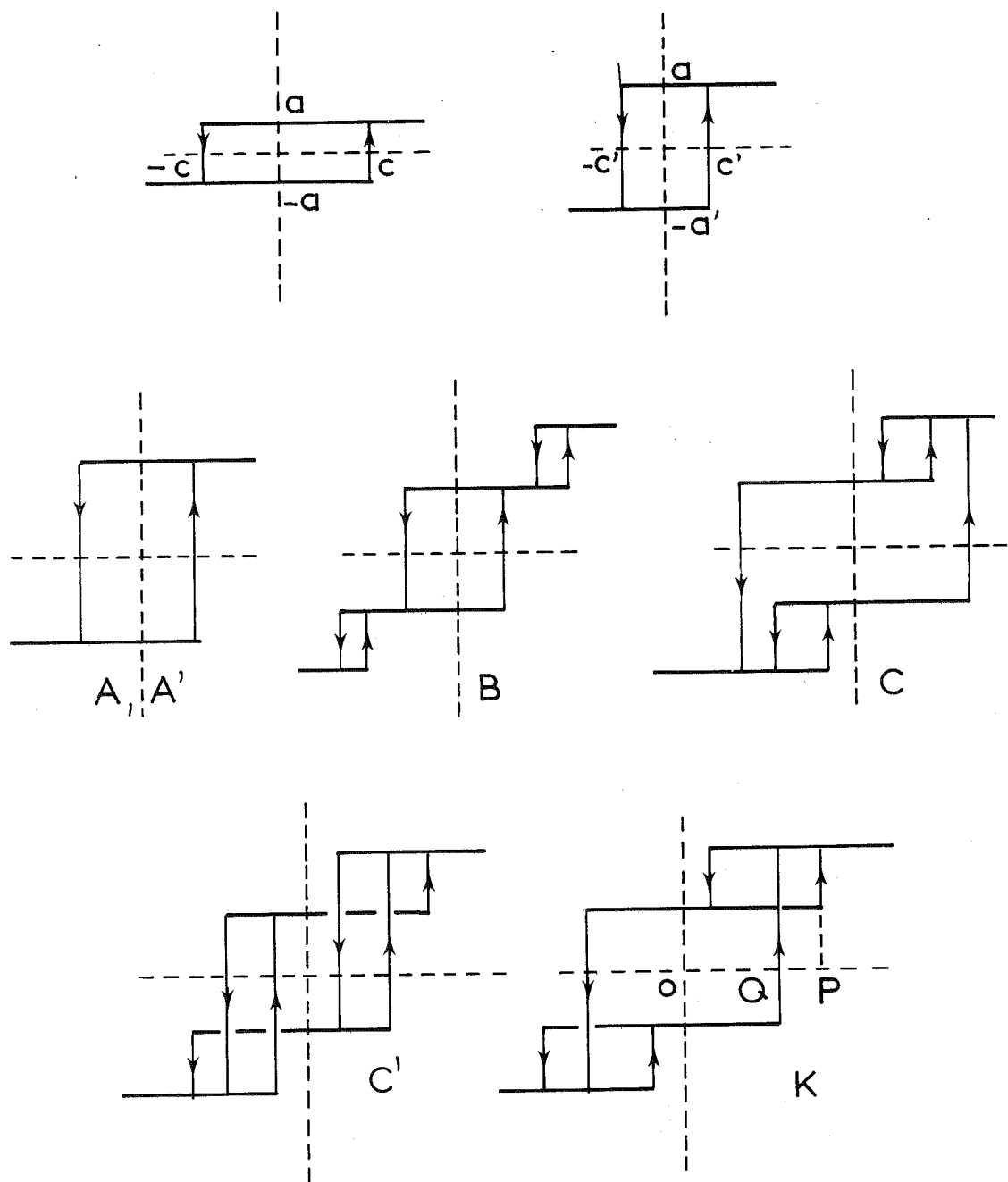


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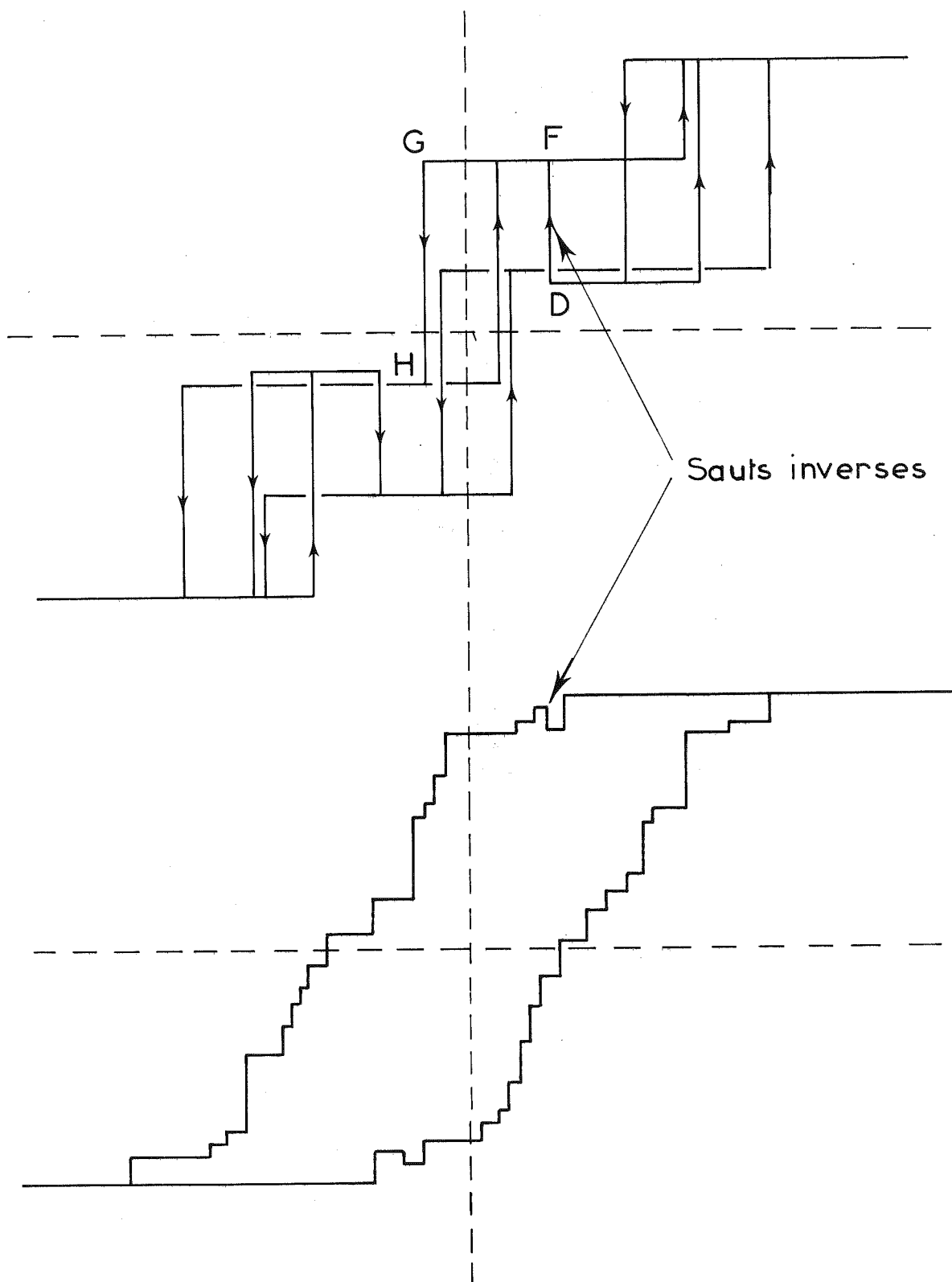


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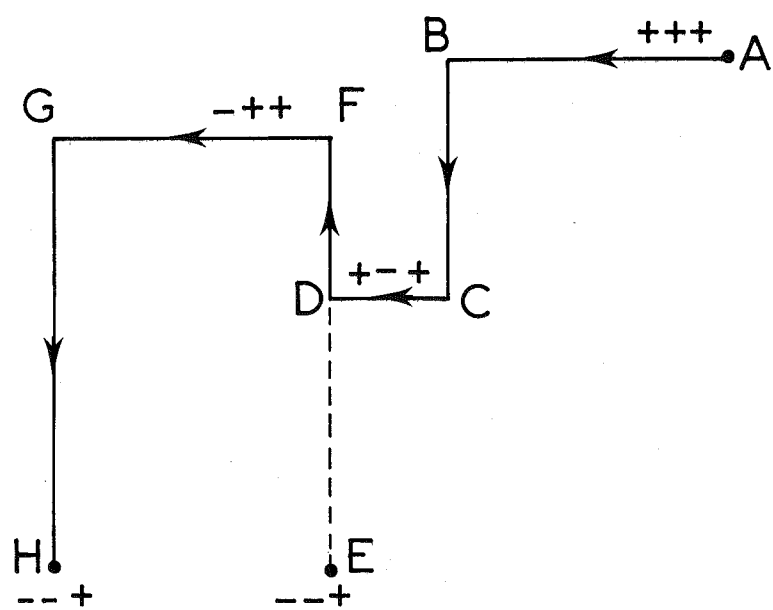


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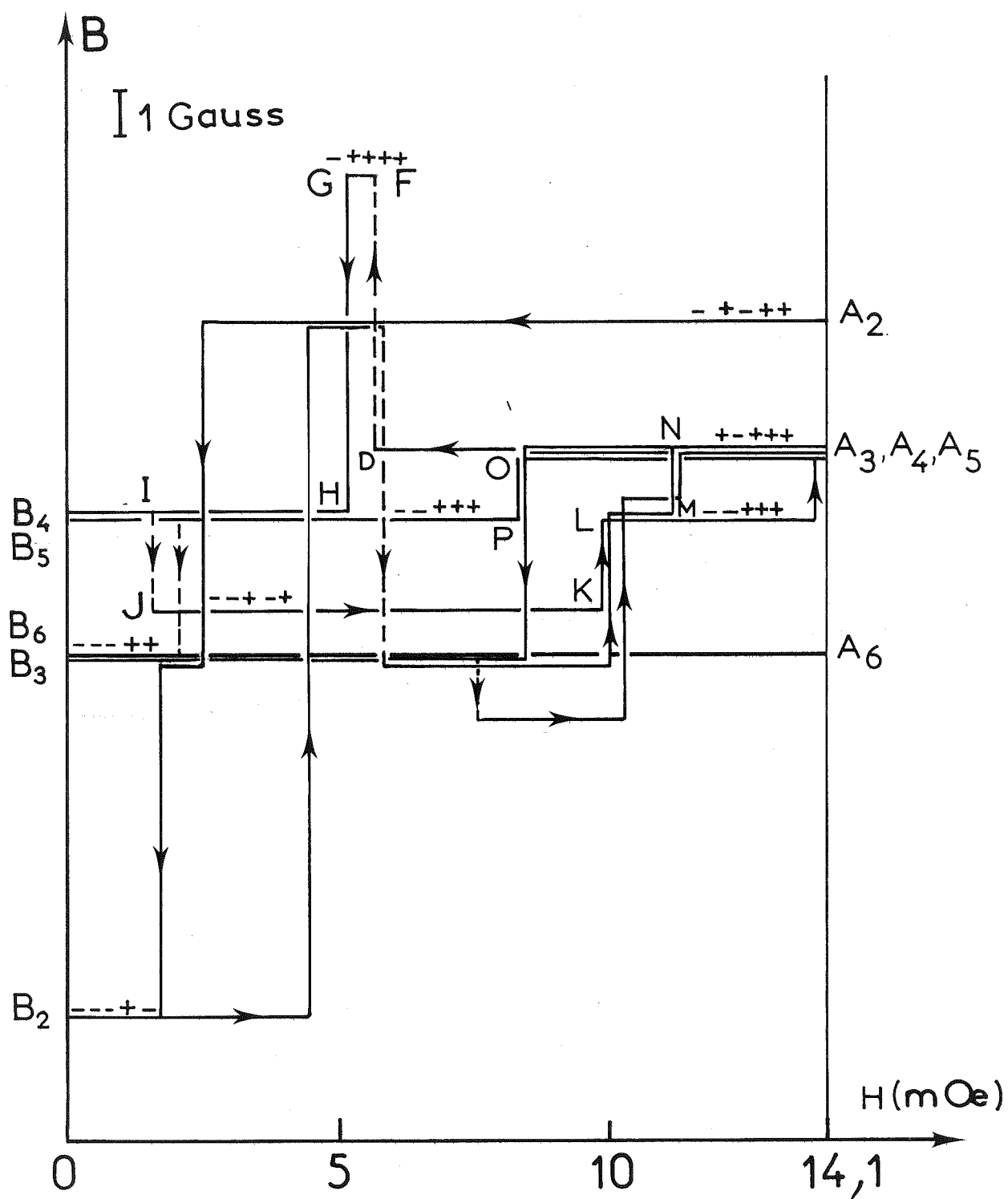


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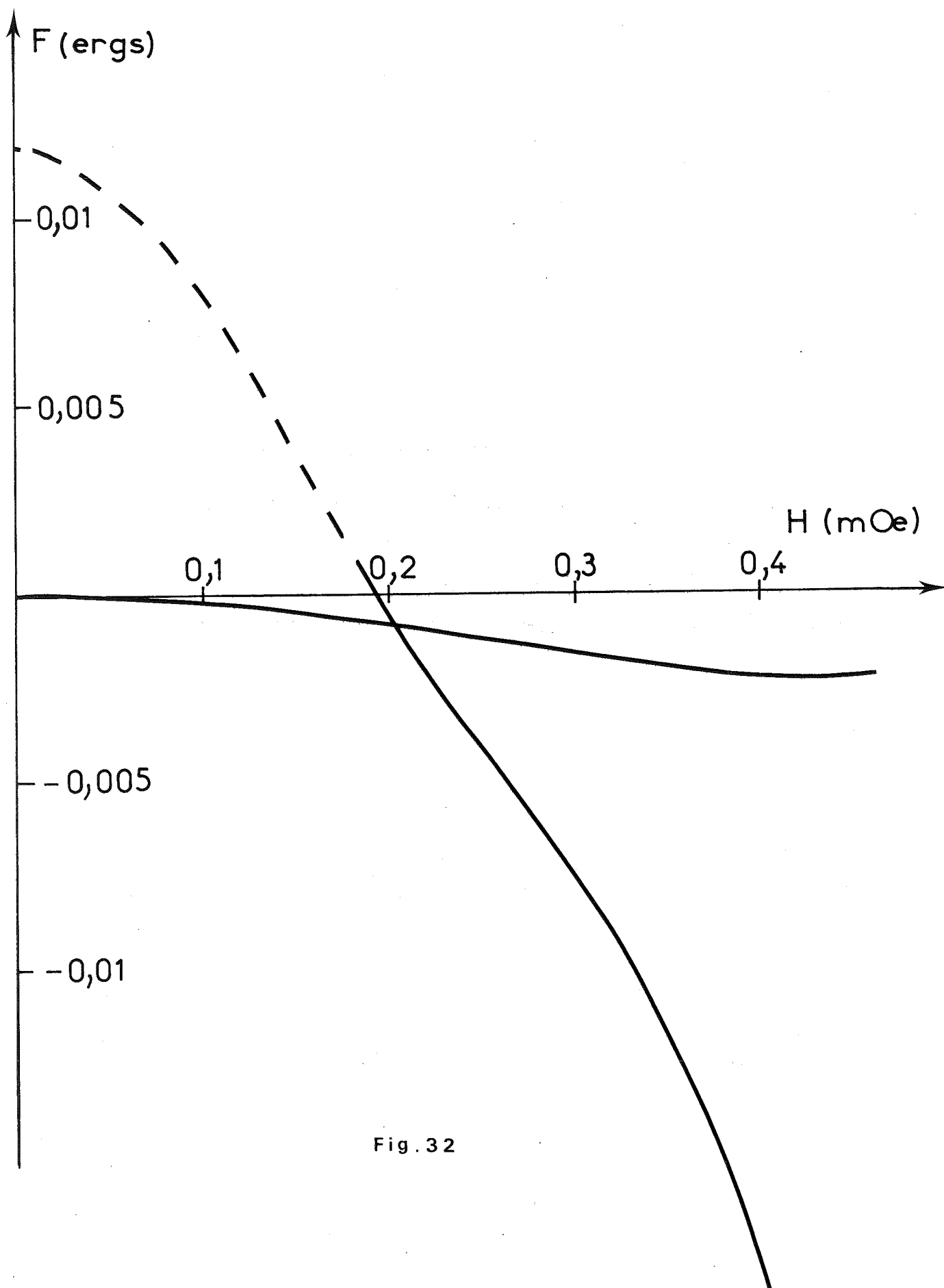


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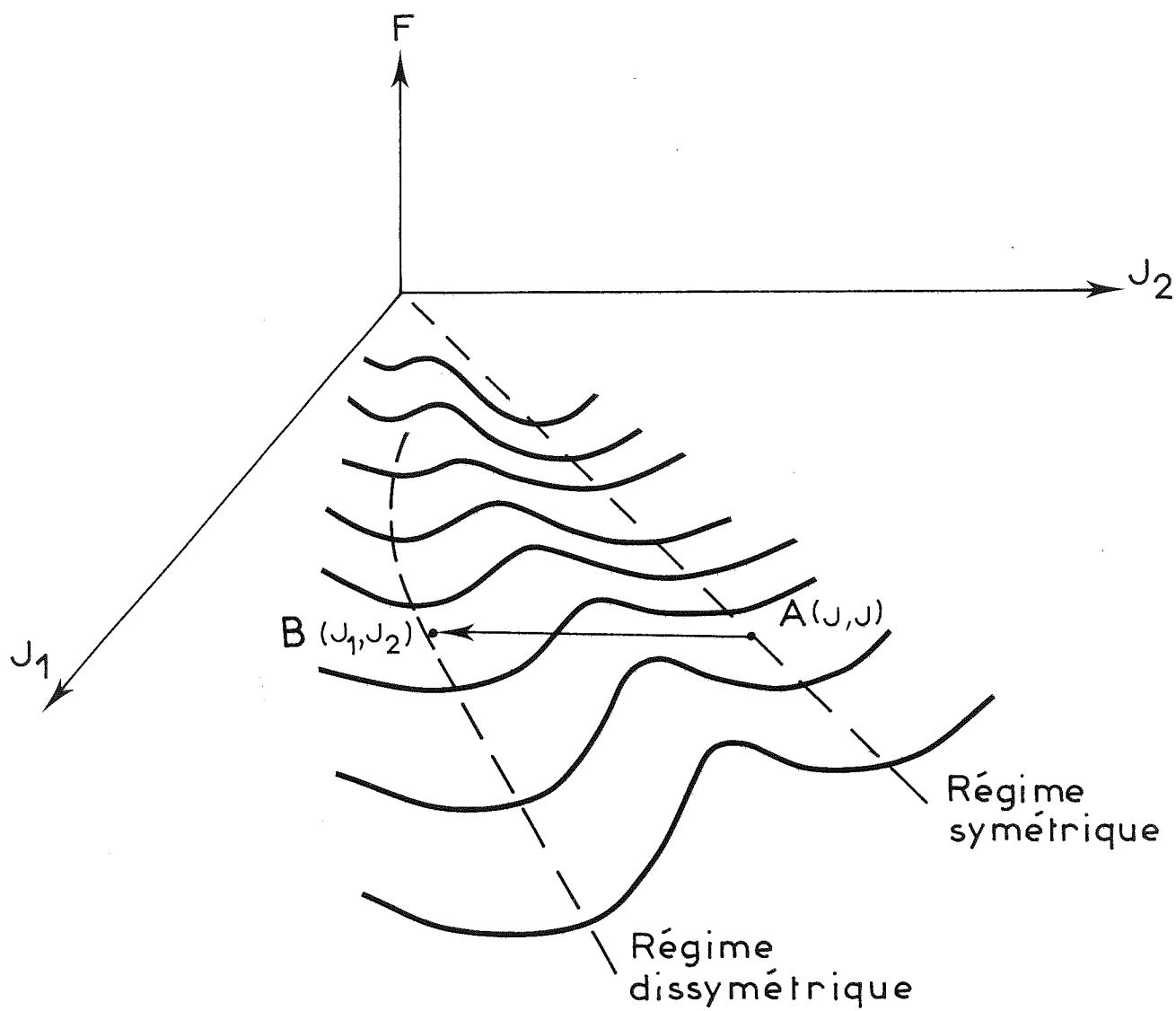


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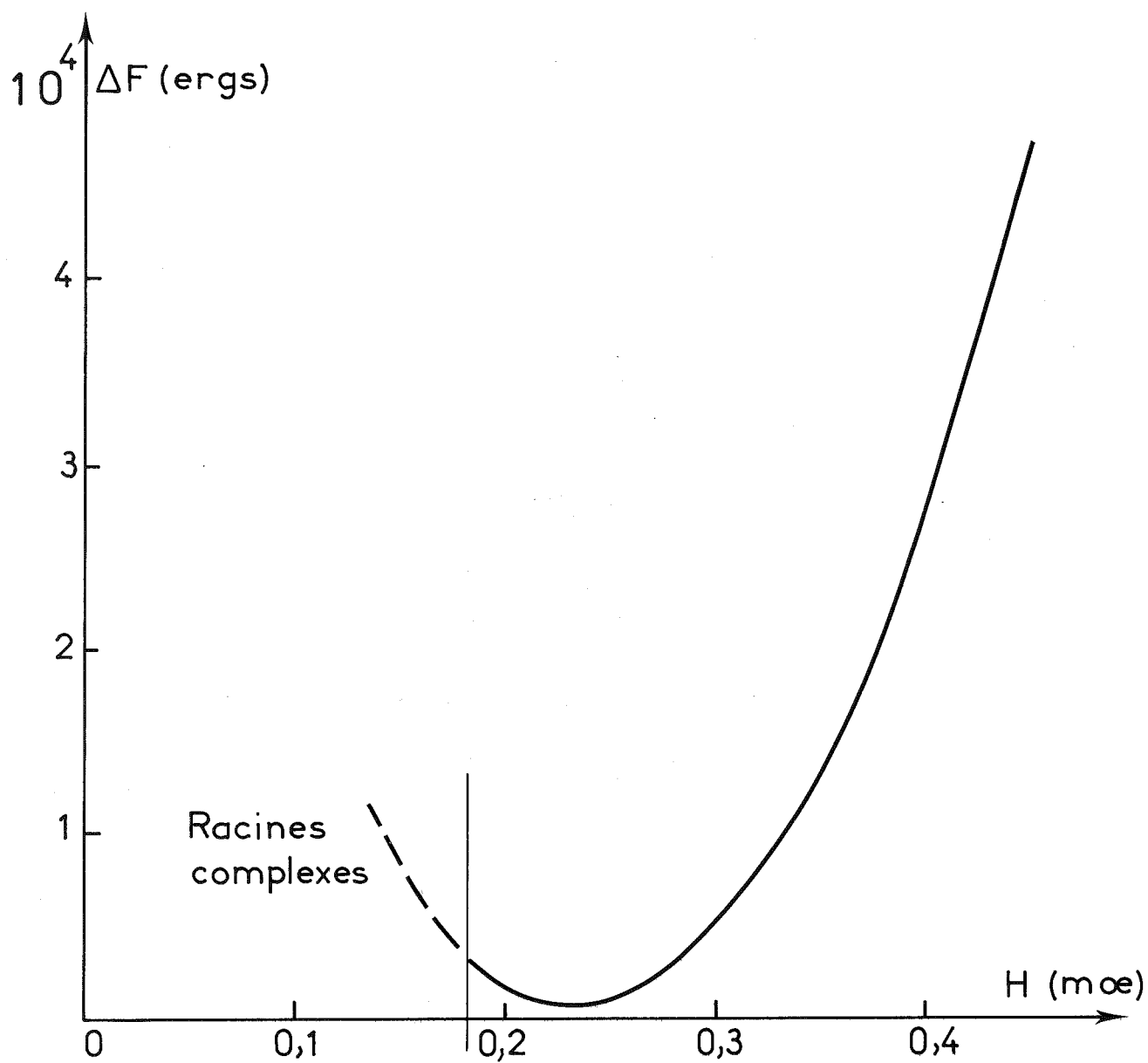


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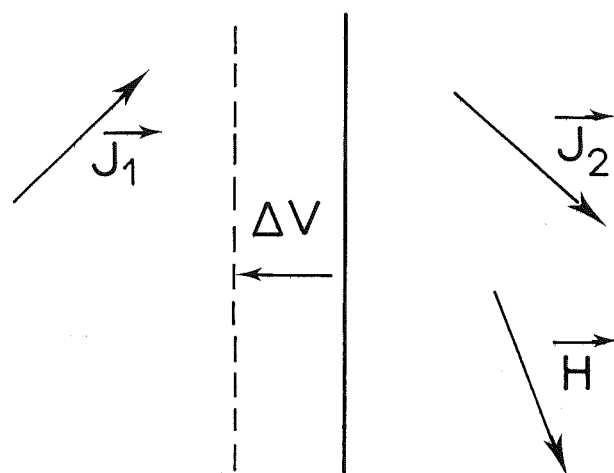


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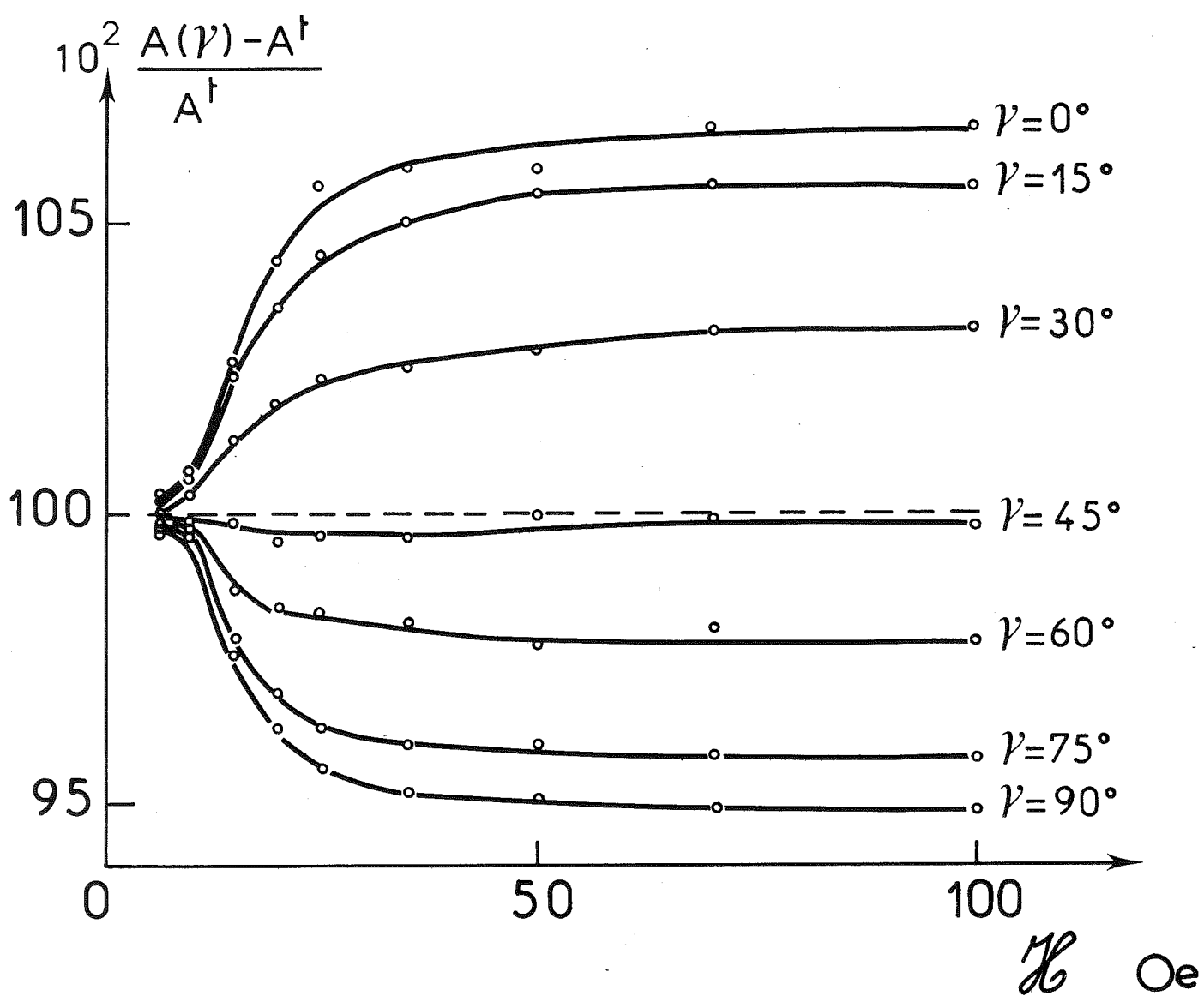


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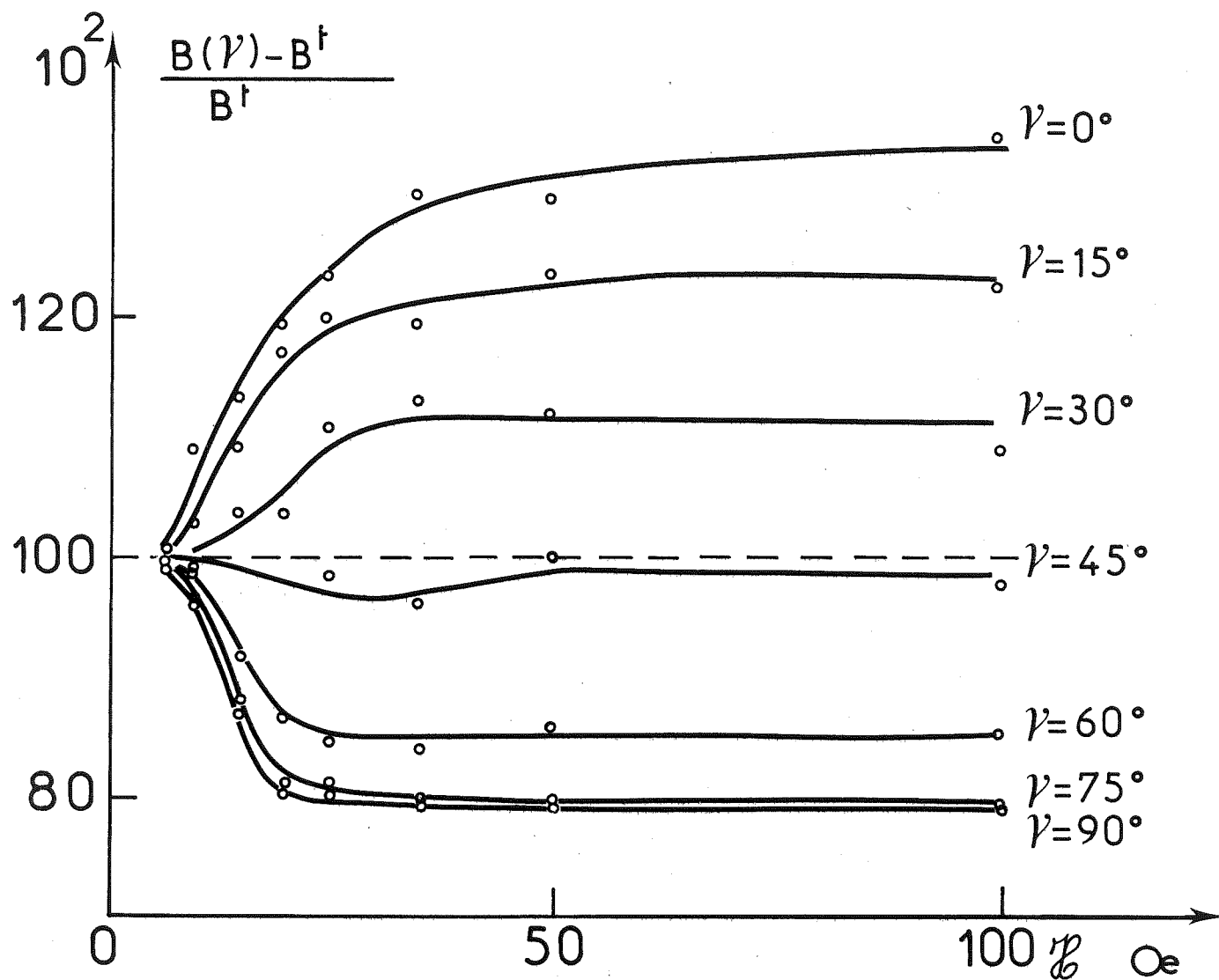


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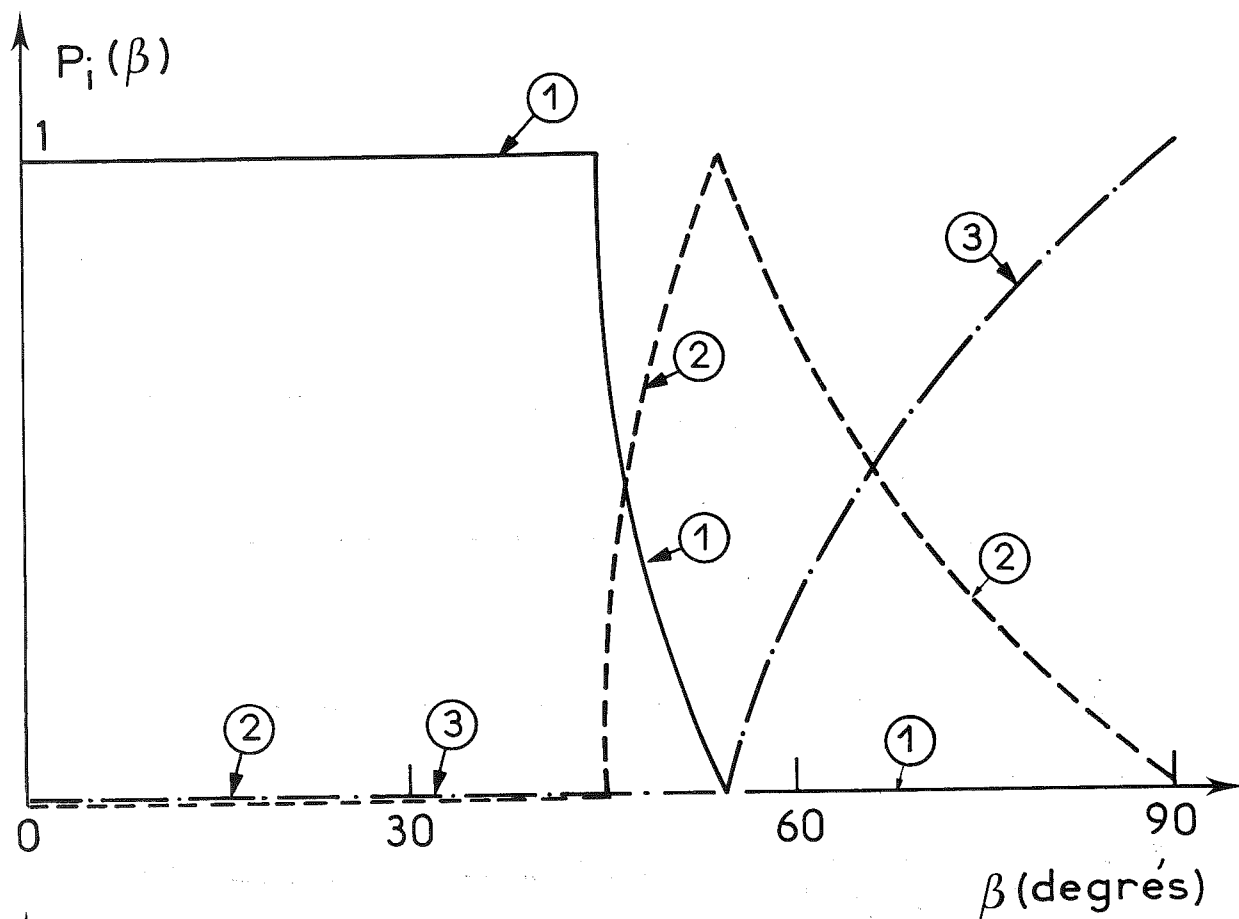


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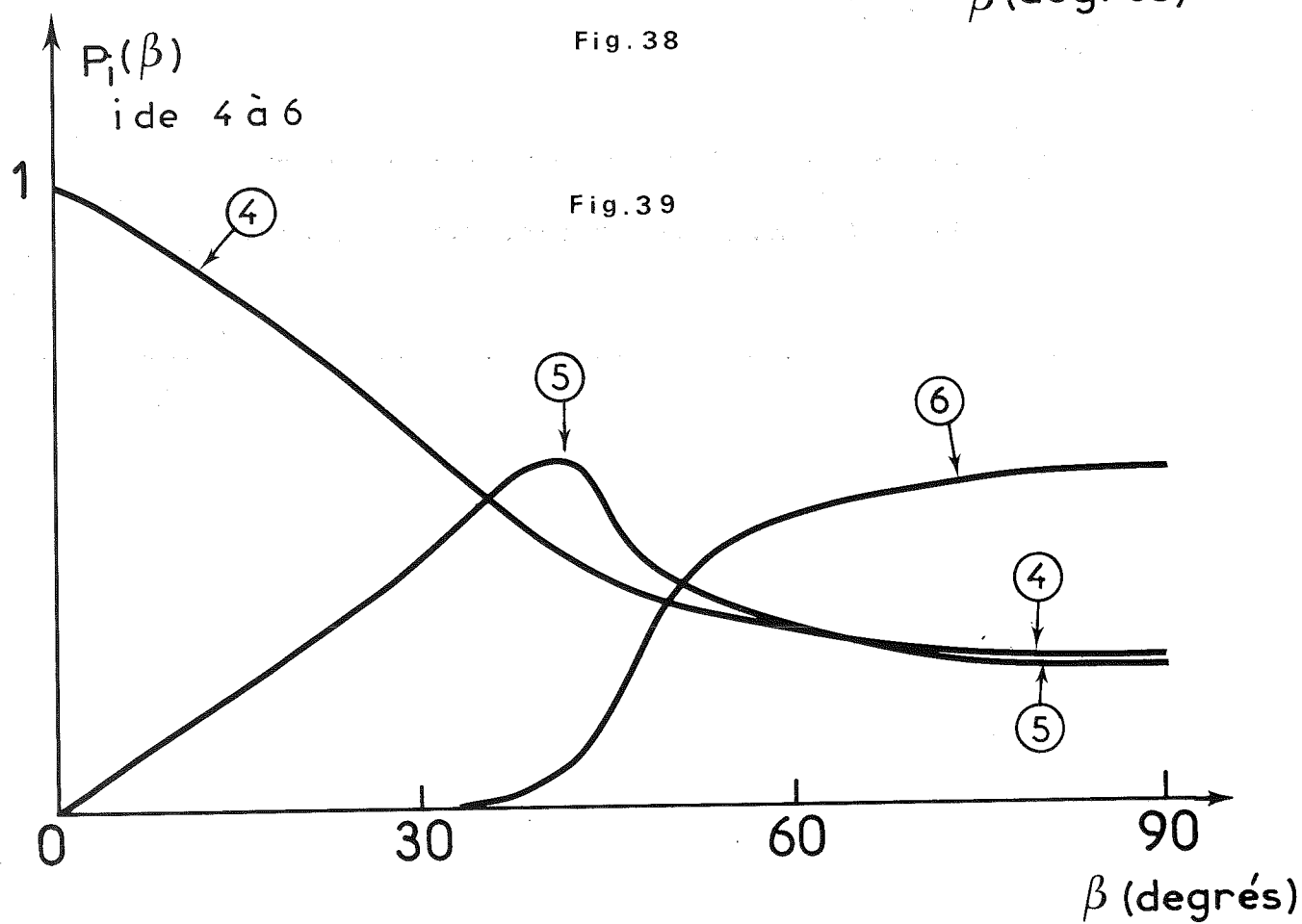


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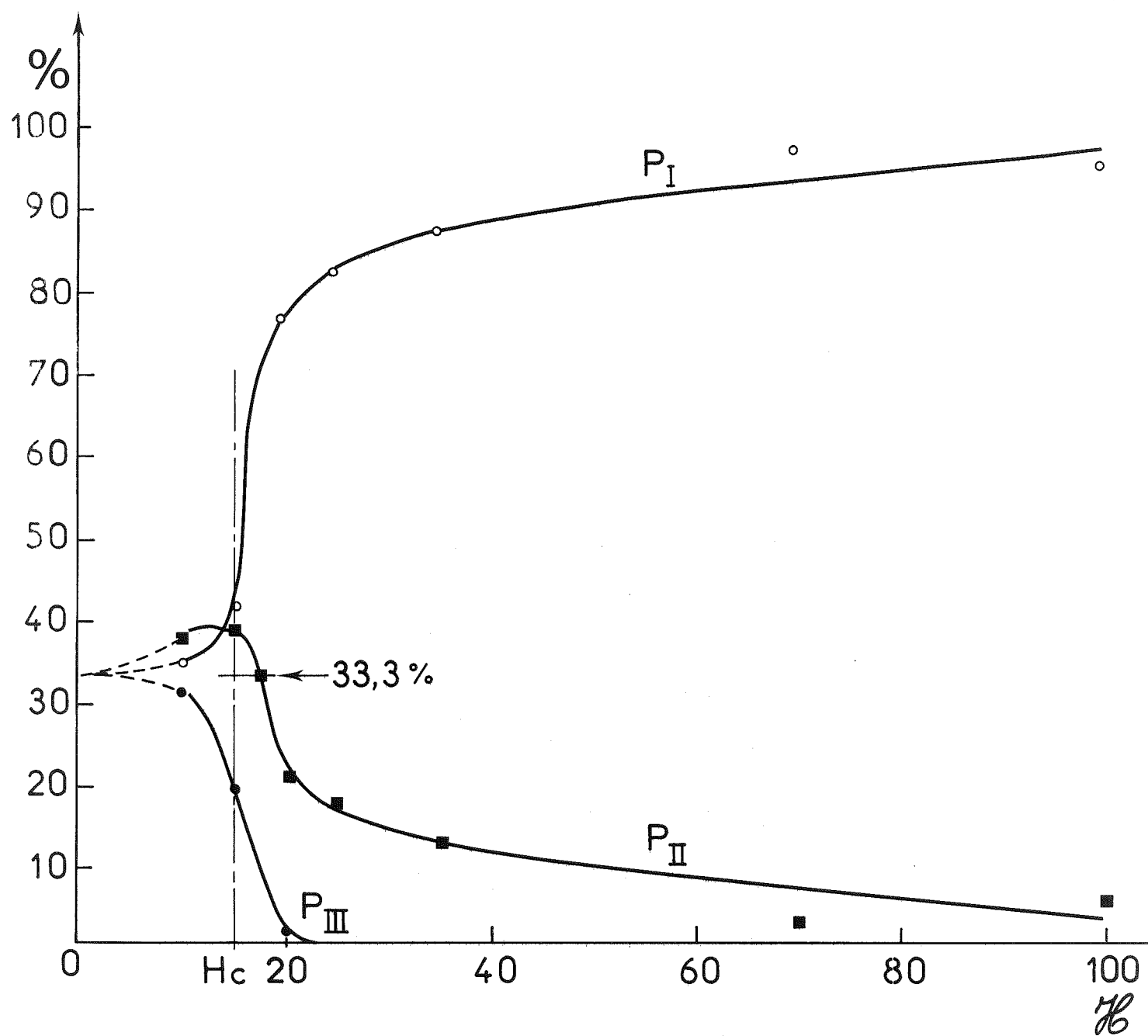


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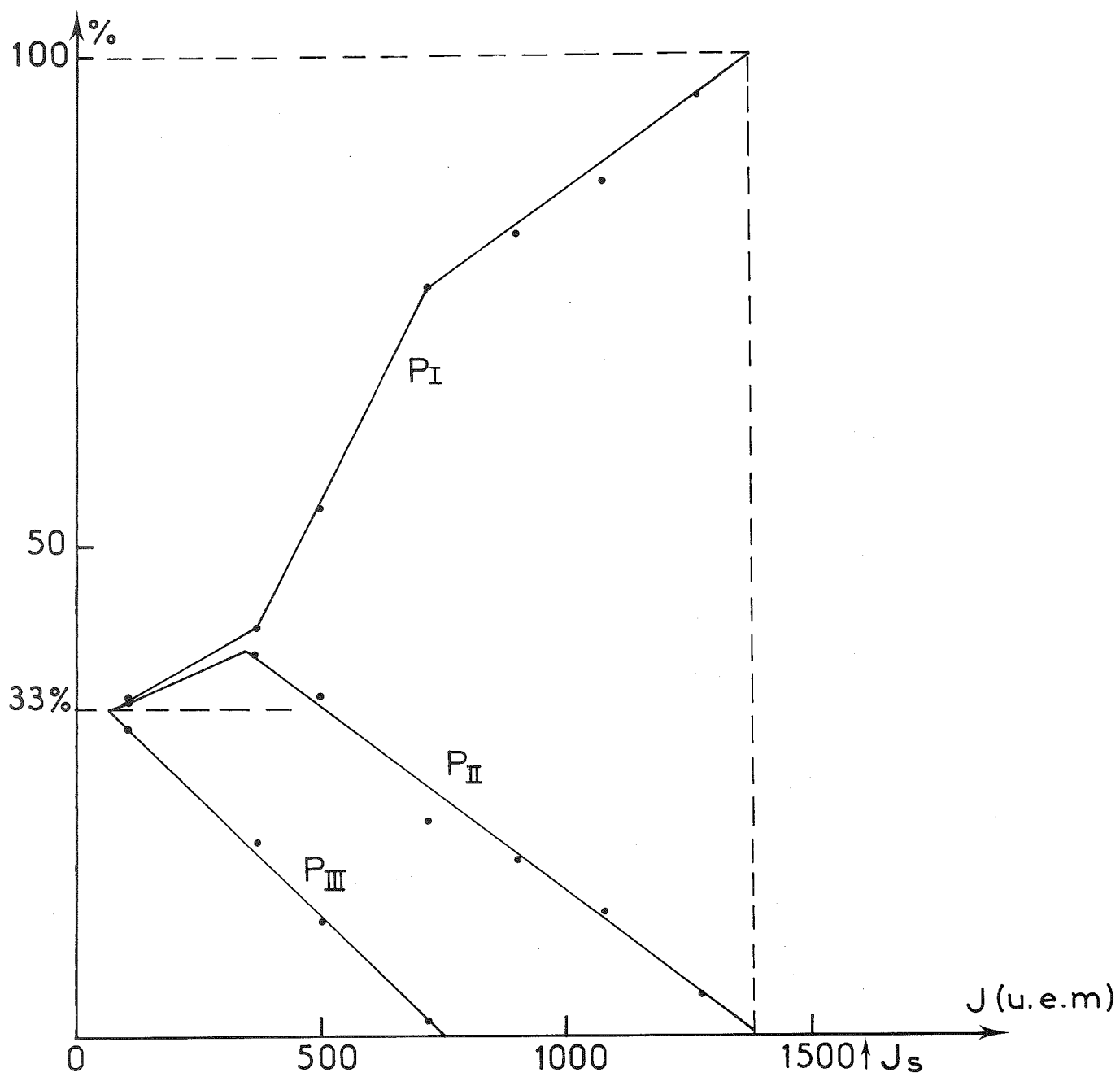


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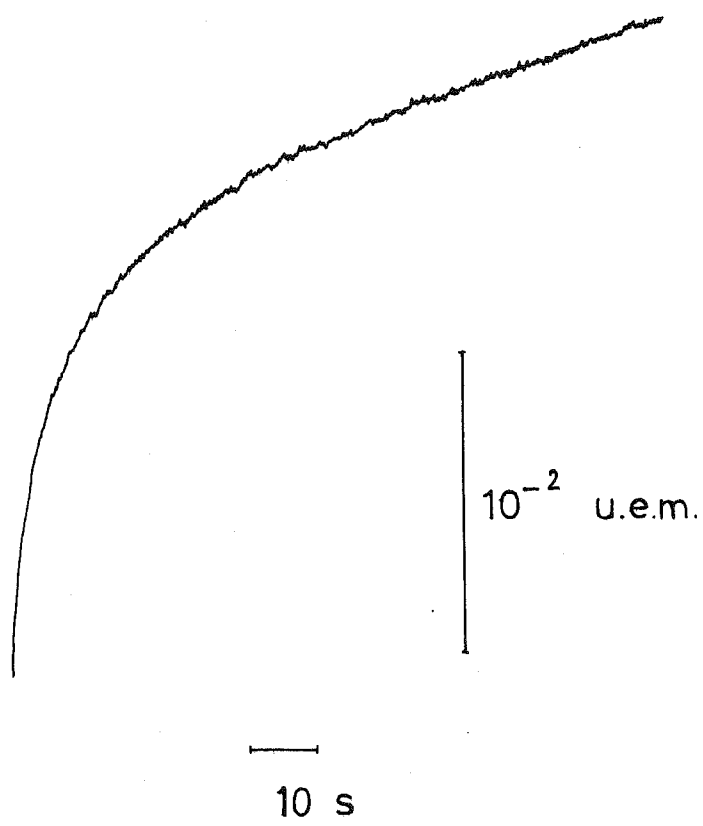


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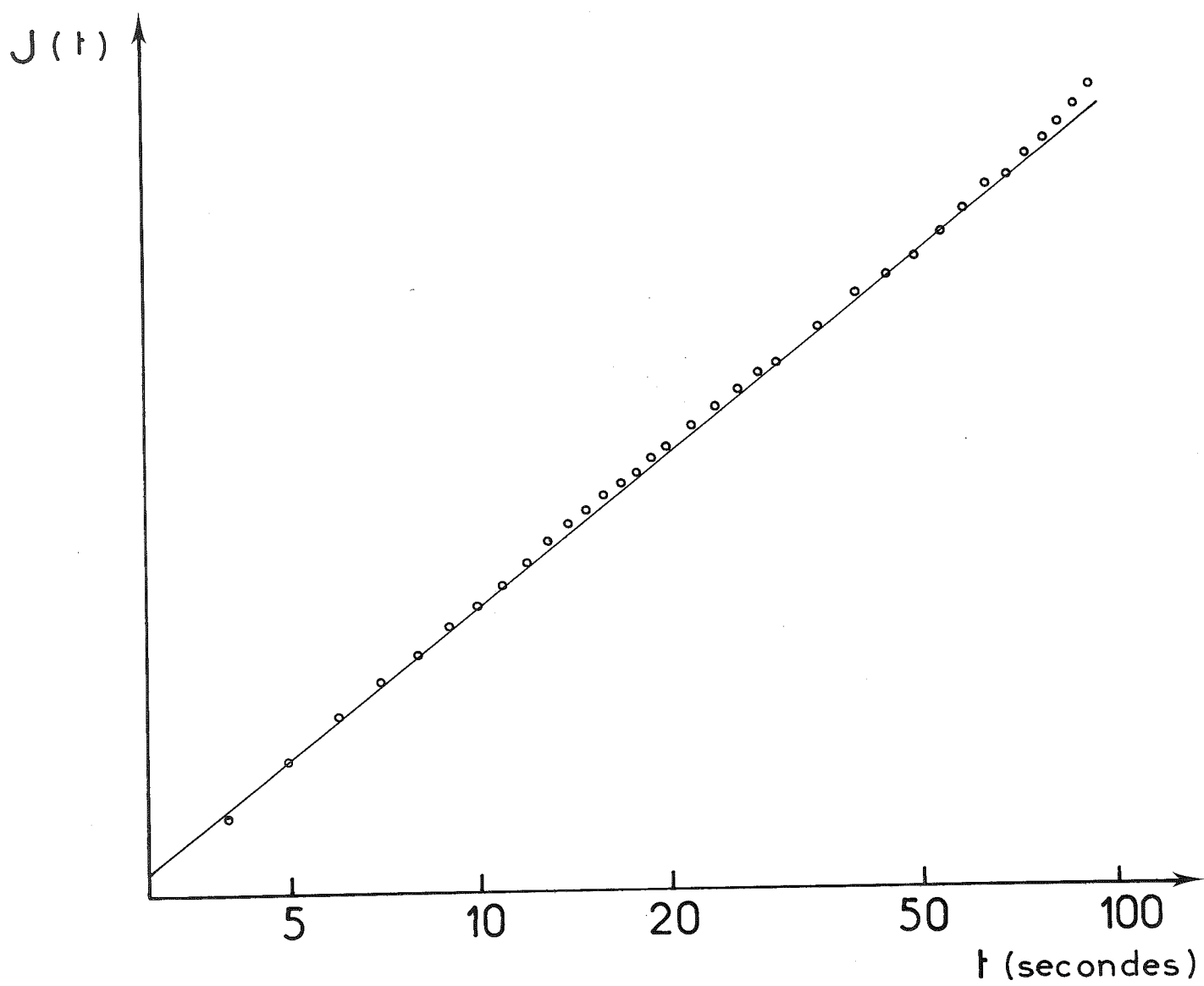


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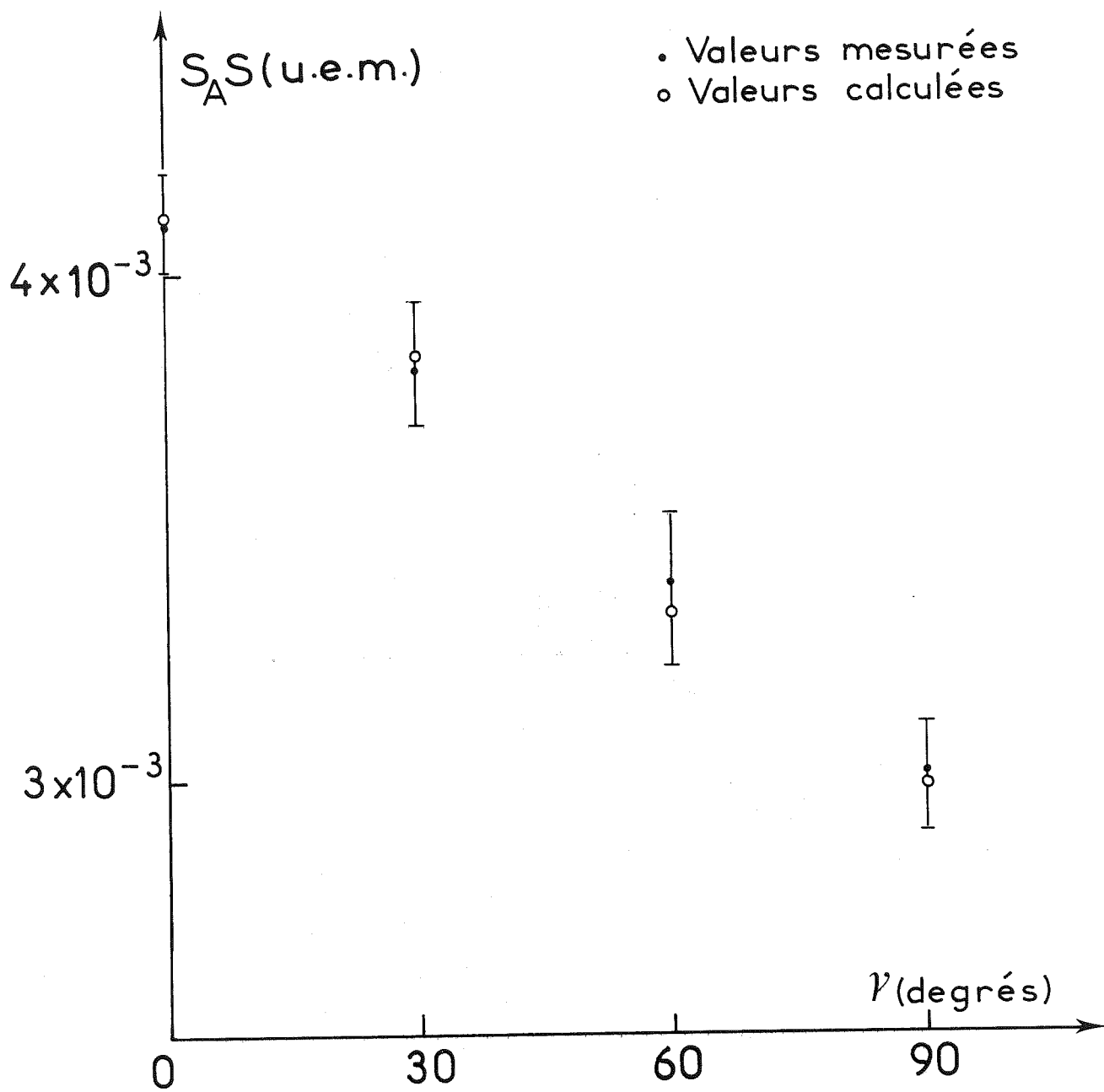


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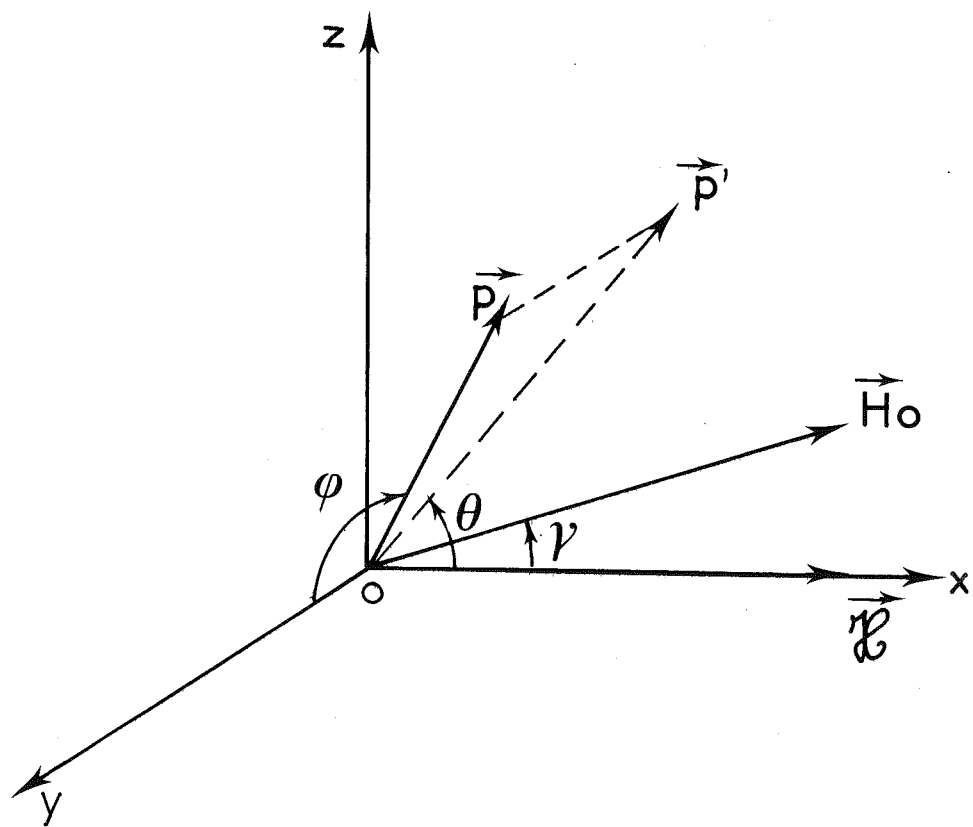


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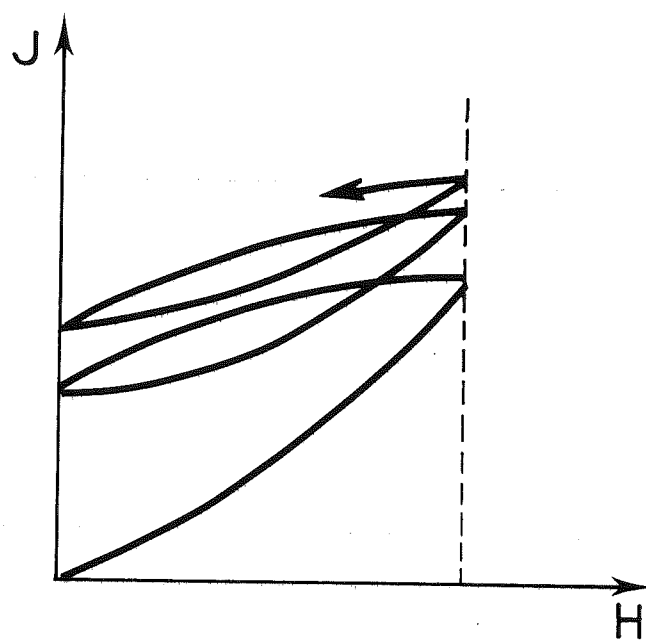


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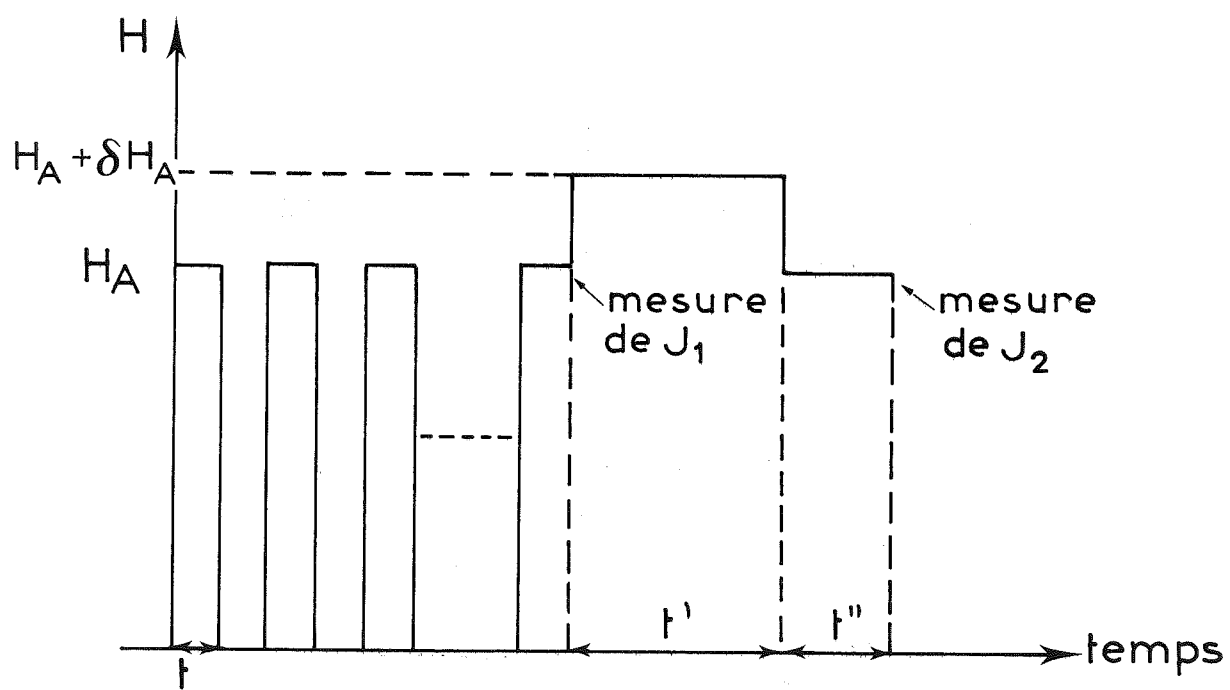


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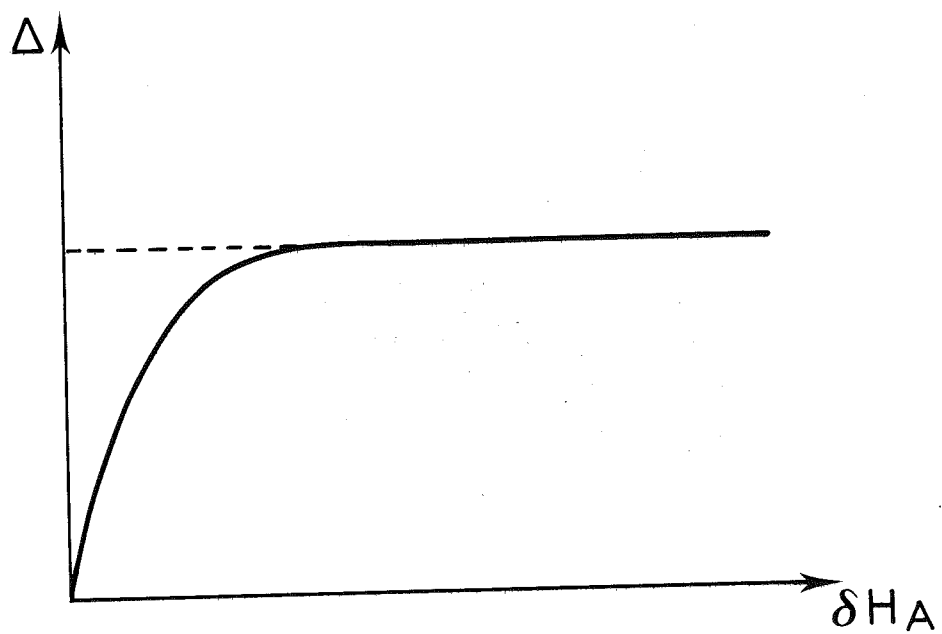


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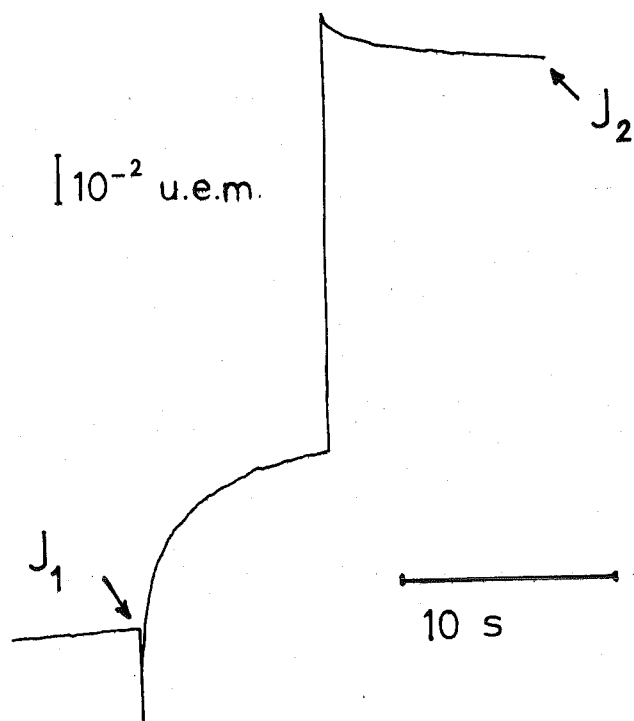


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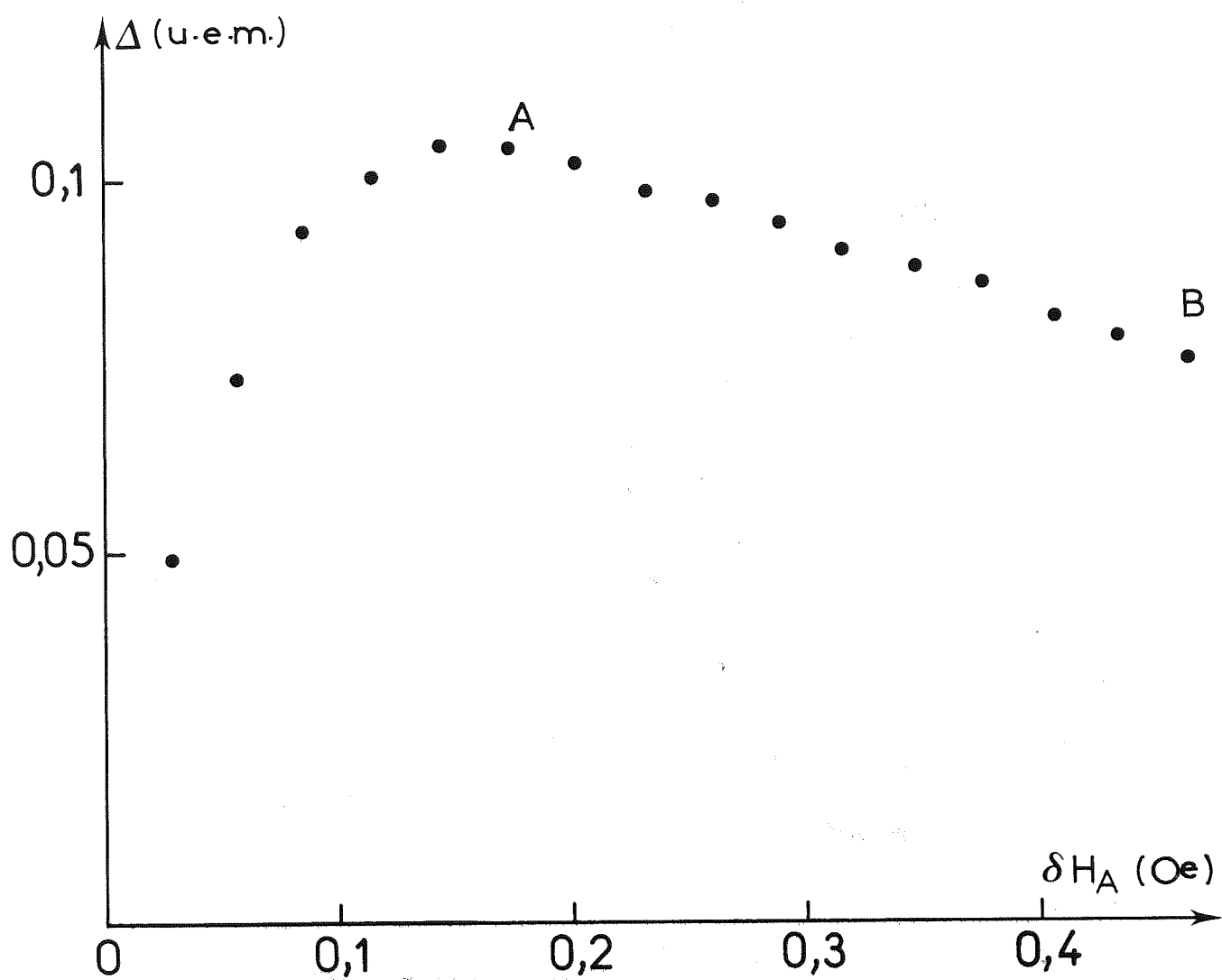


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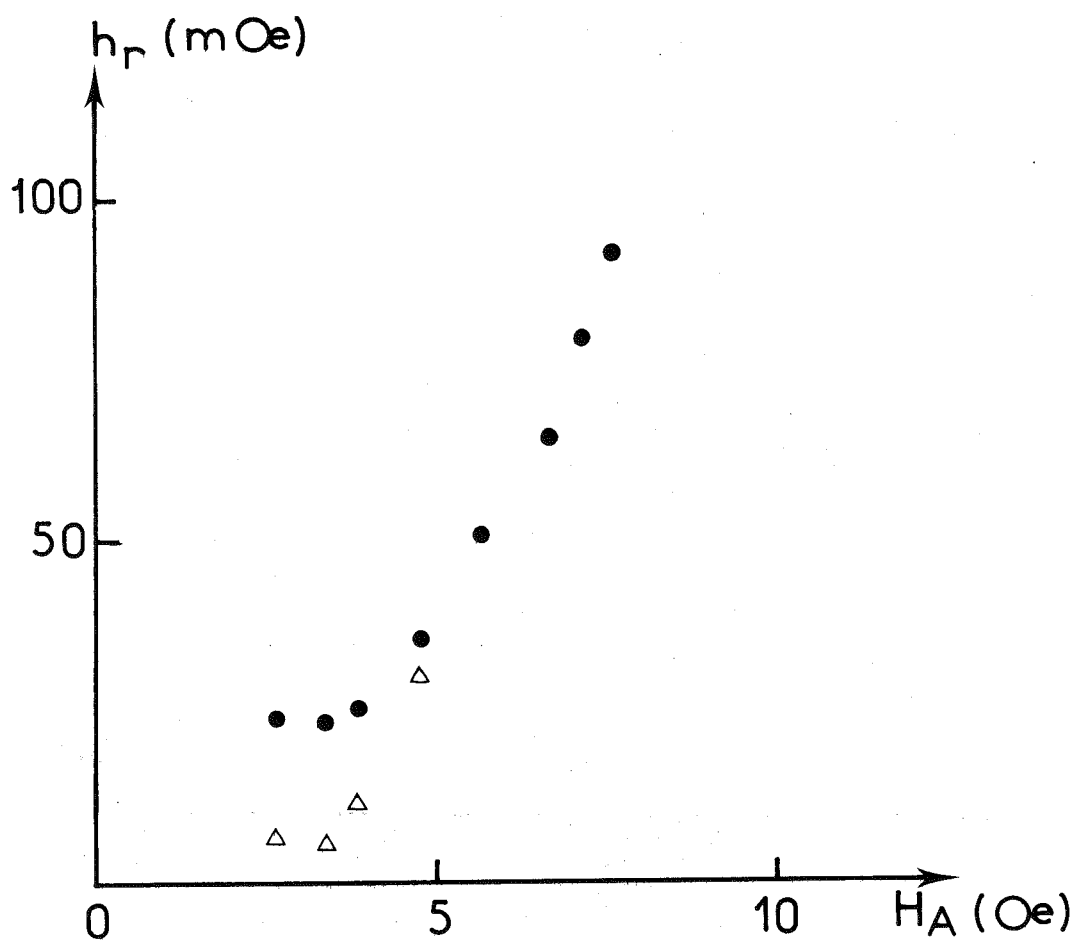
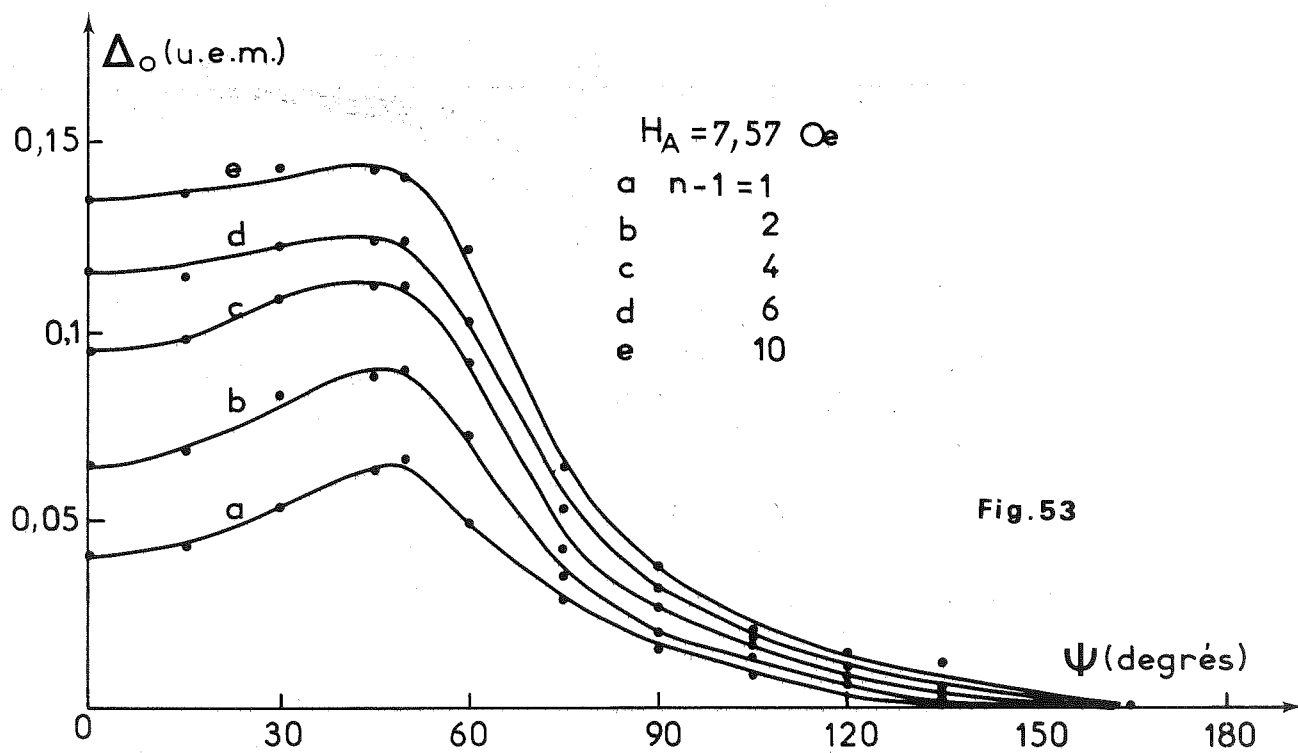
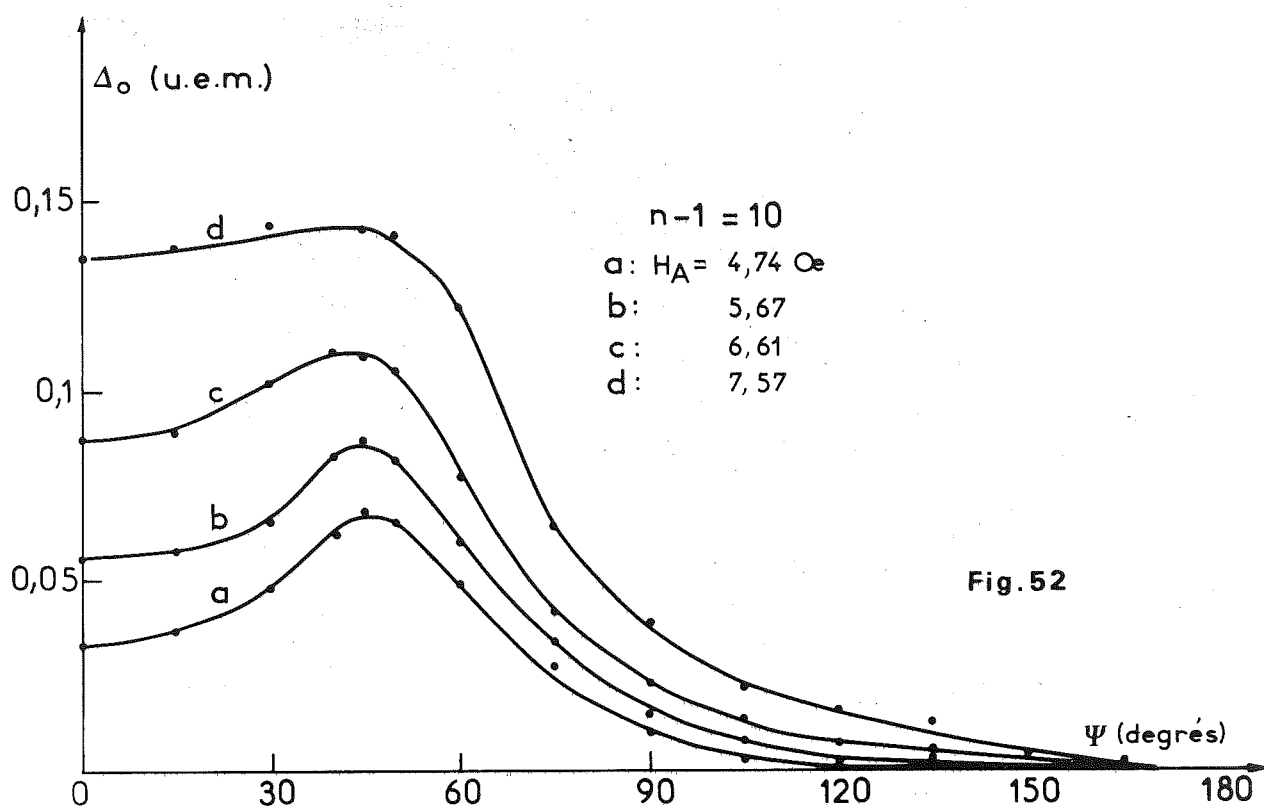


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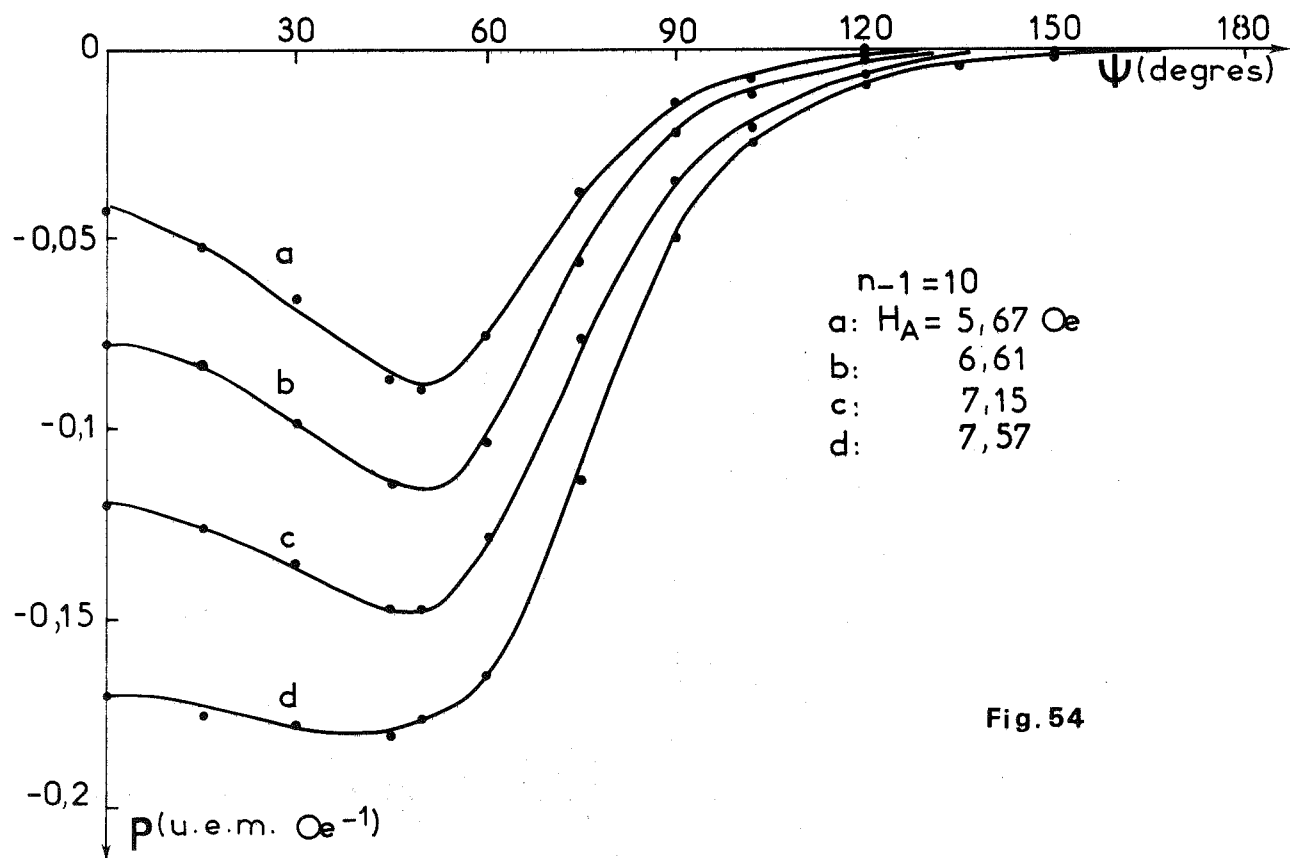


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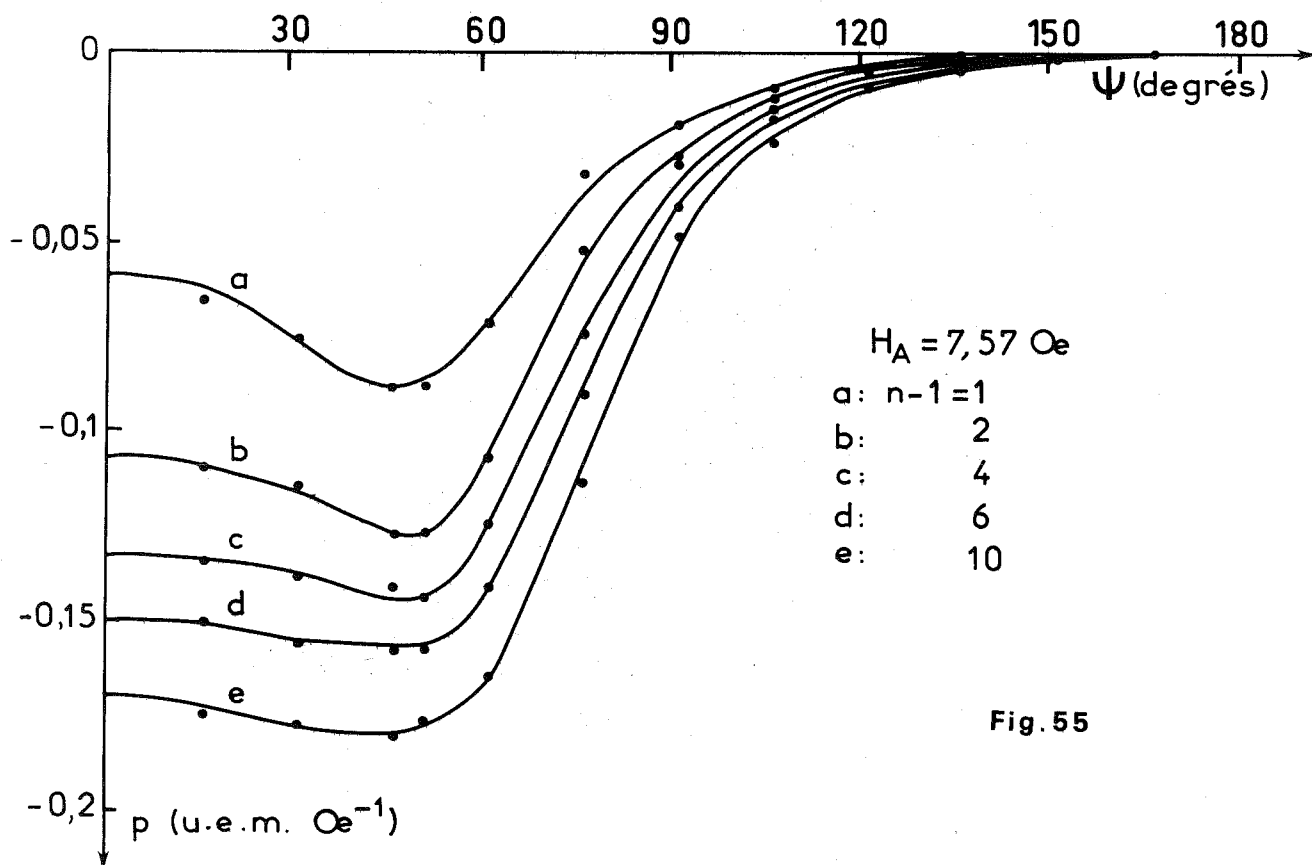
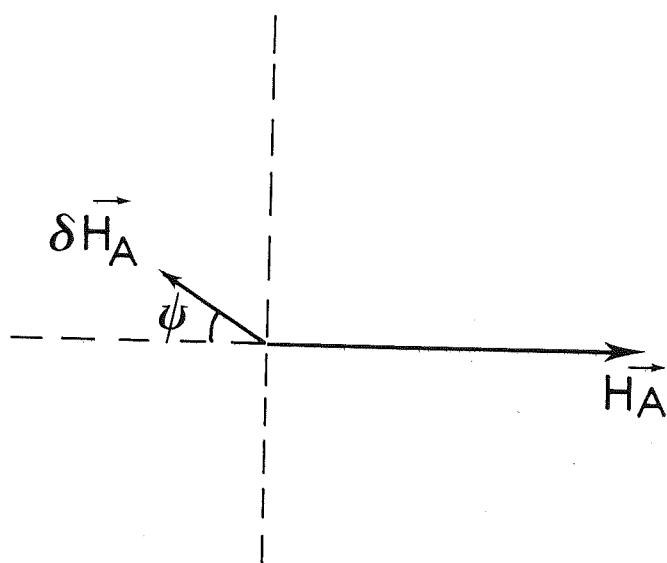
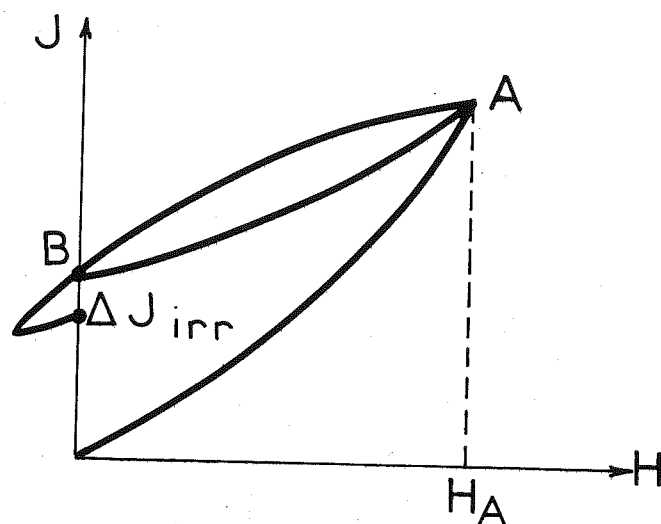


Fig. 55



Mesure de la susceptibilité irréversible
à l'extrémité B du cycle.

Fig.56

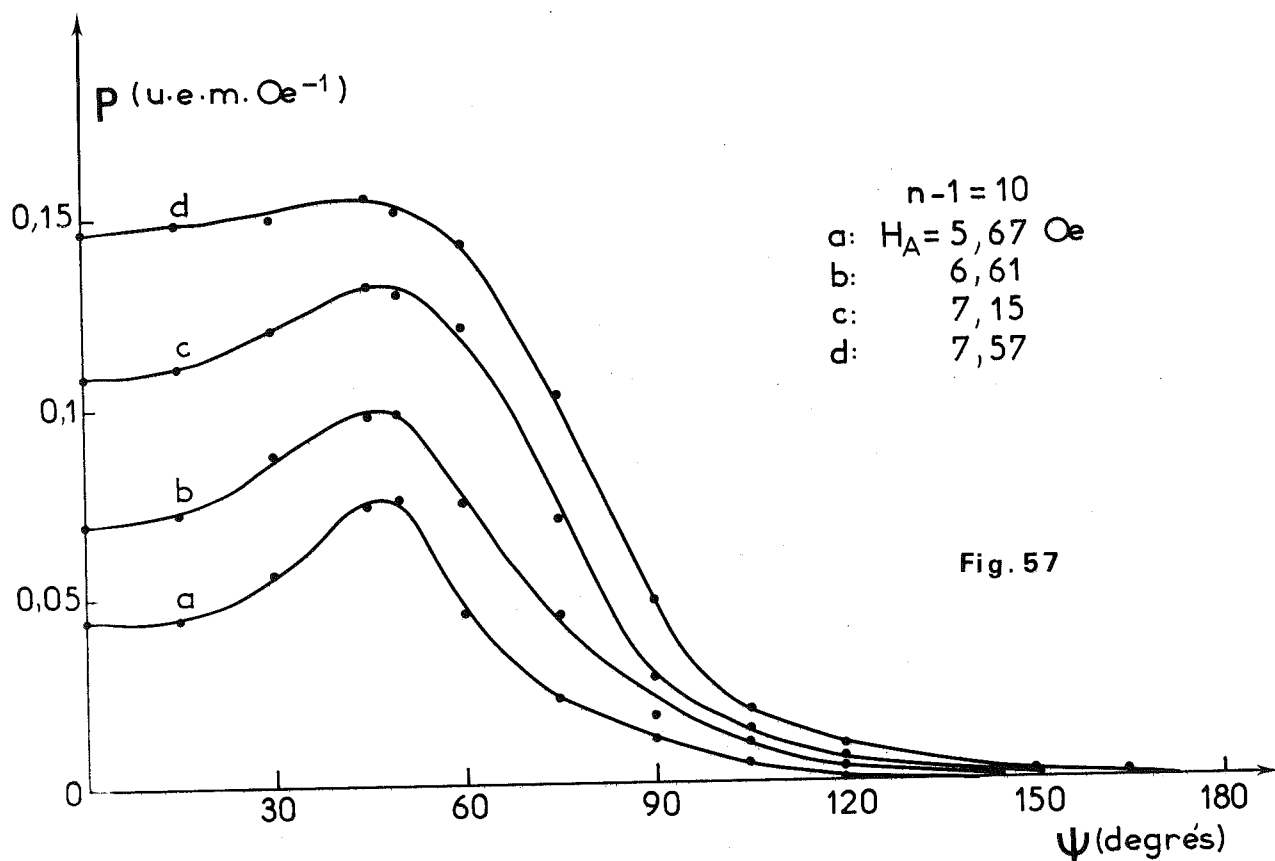


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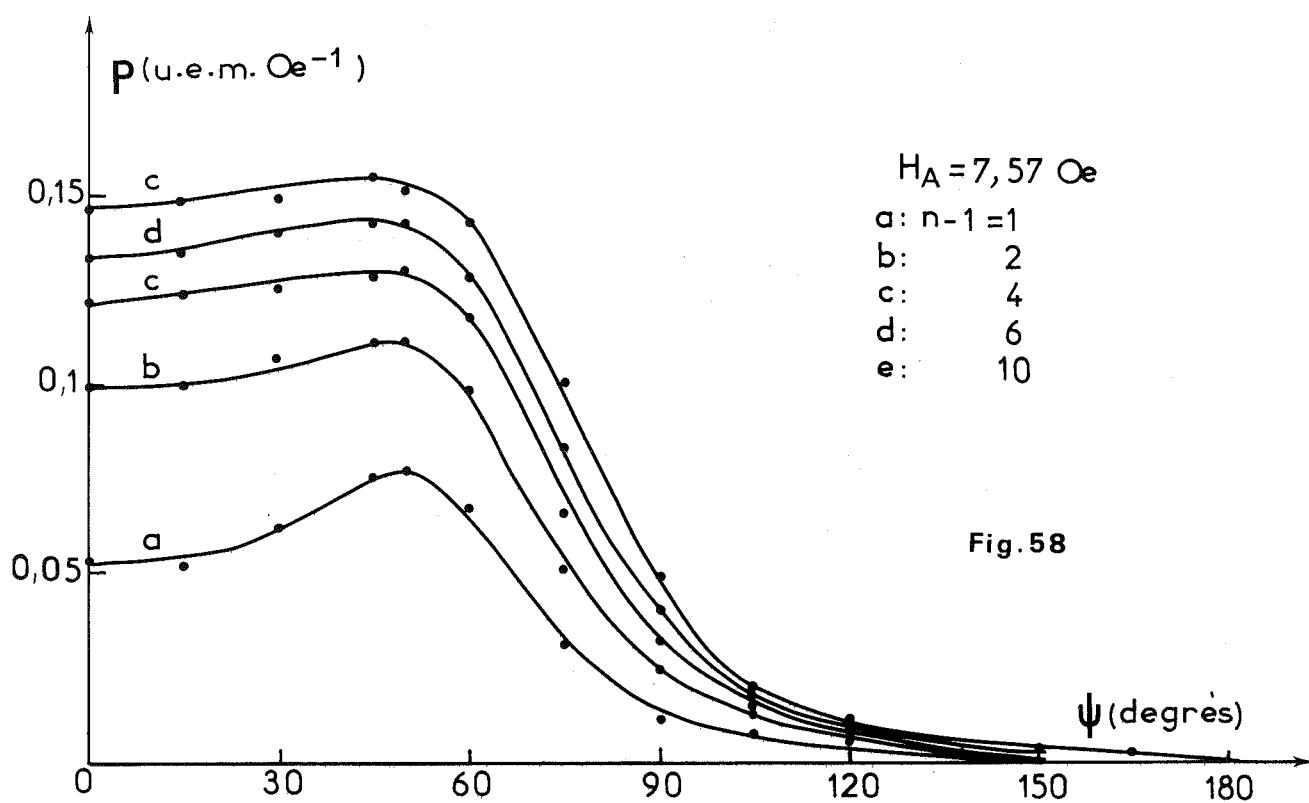


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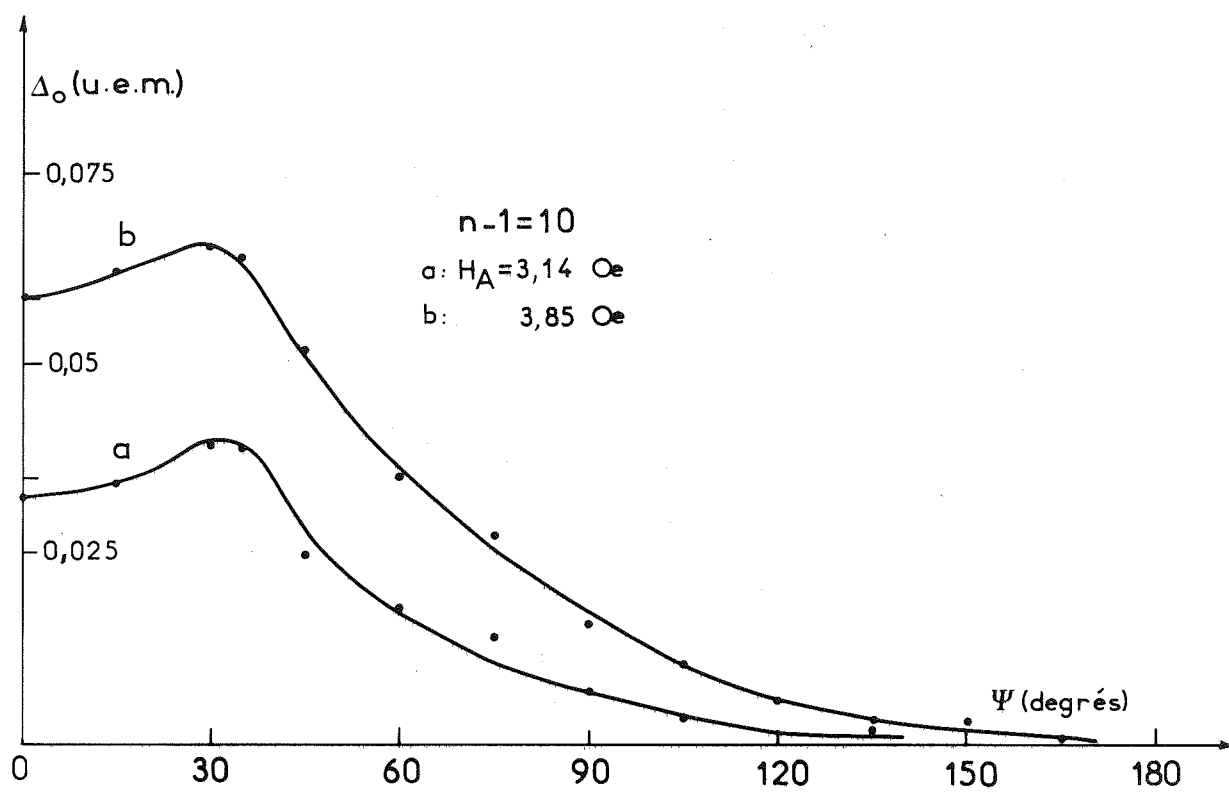


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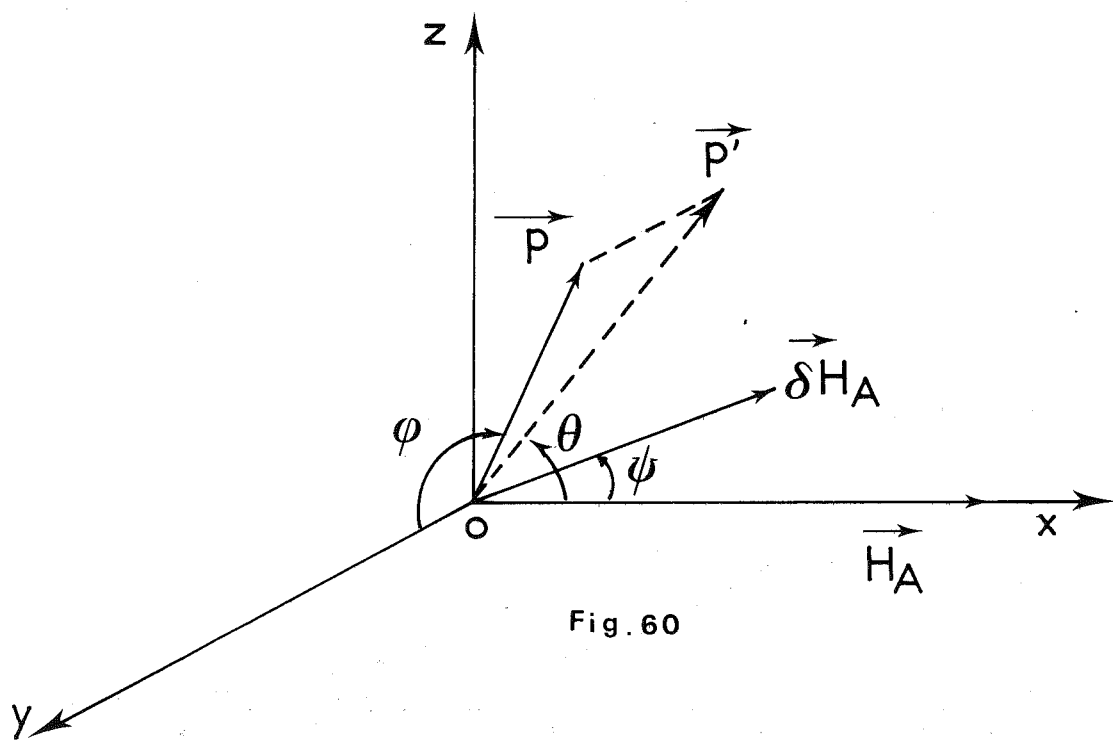


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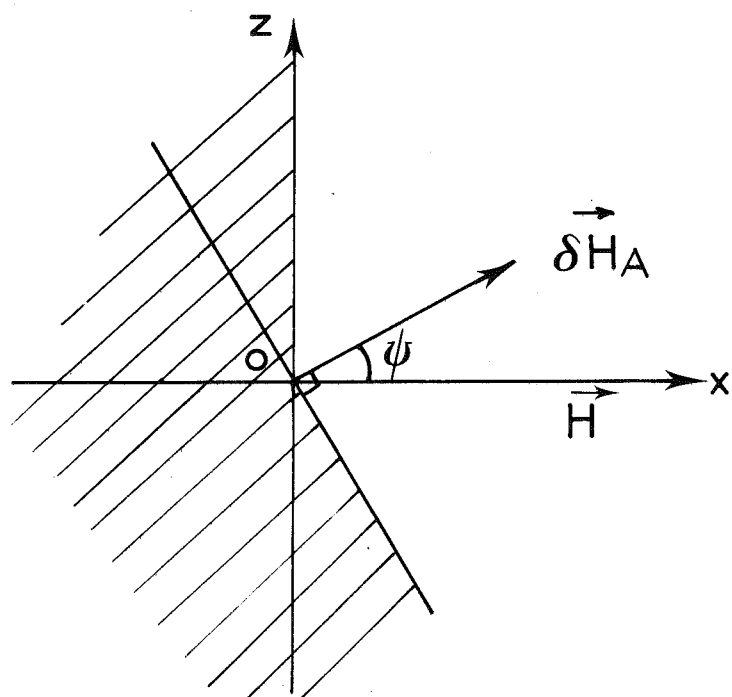


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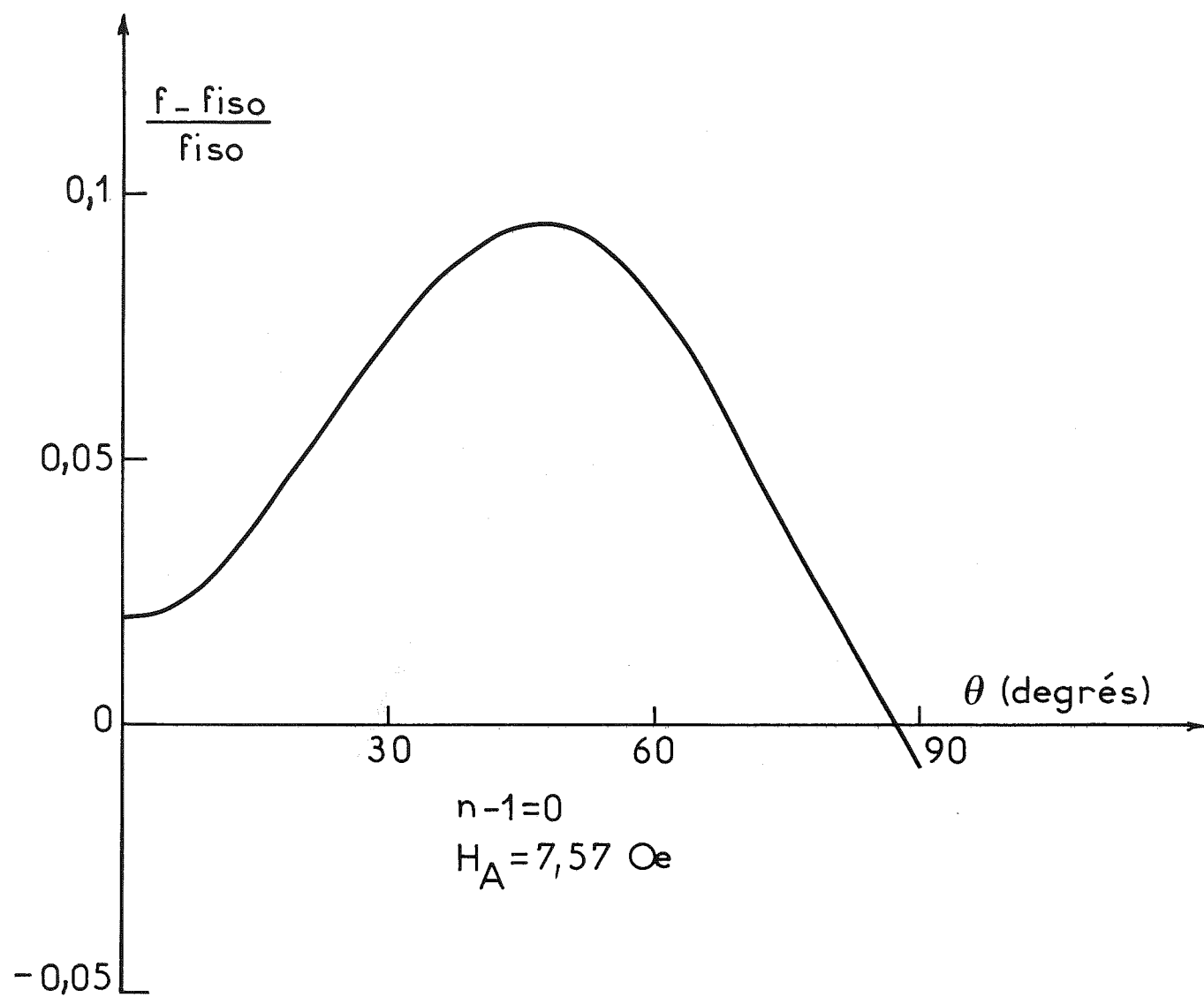
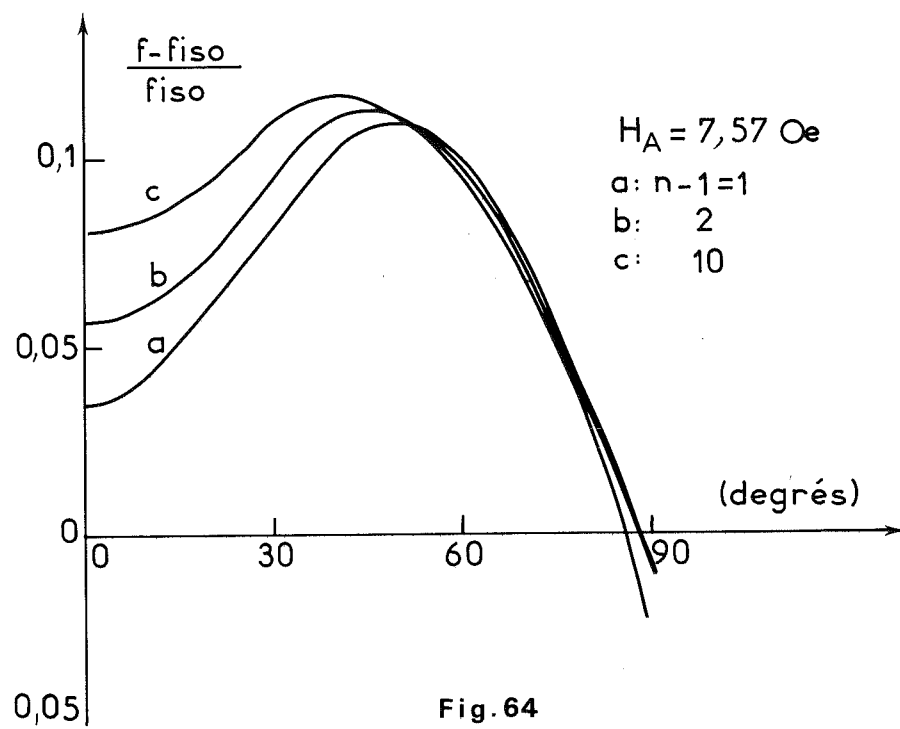
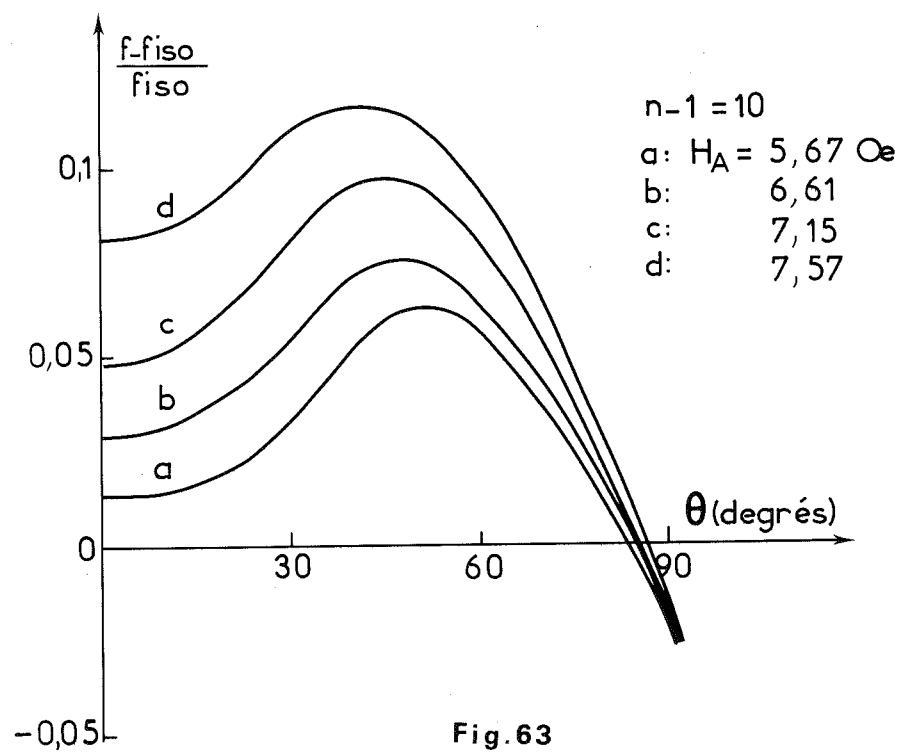


Fig.62



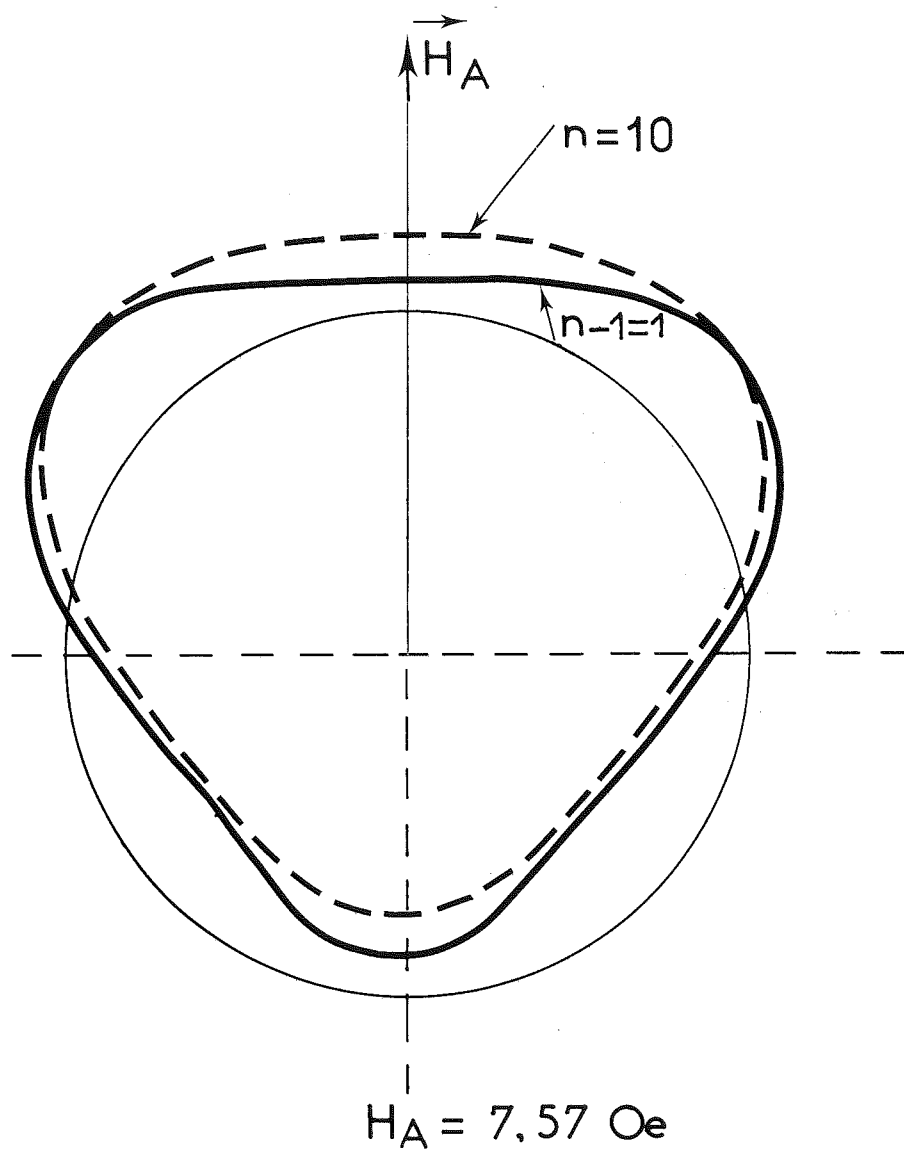


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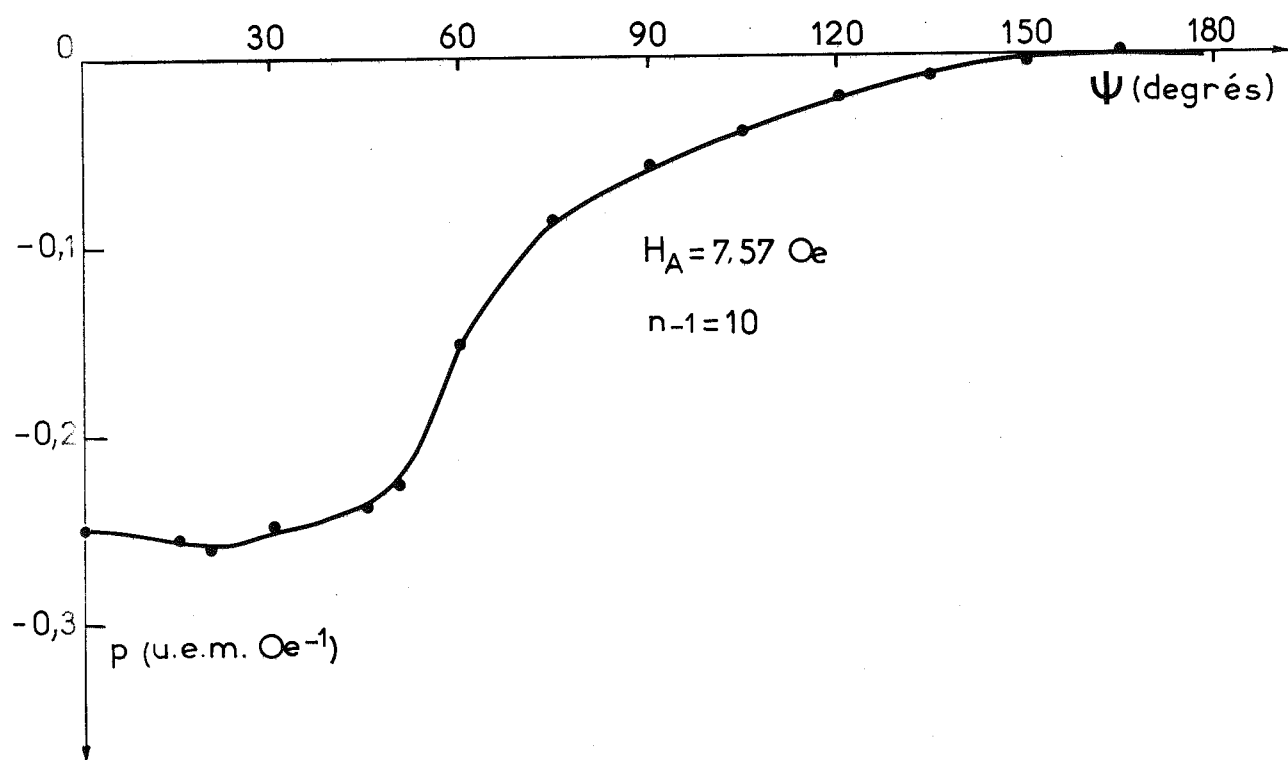


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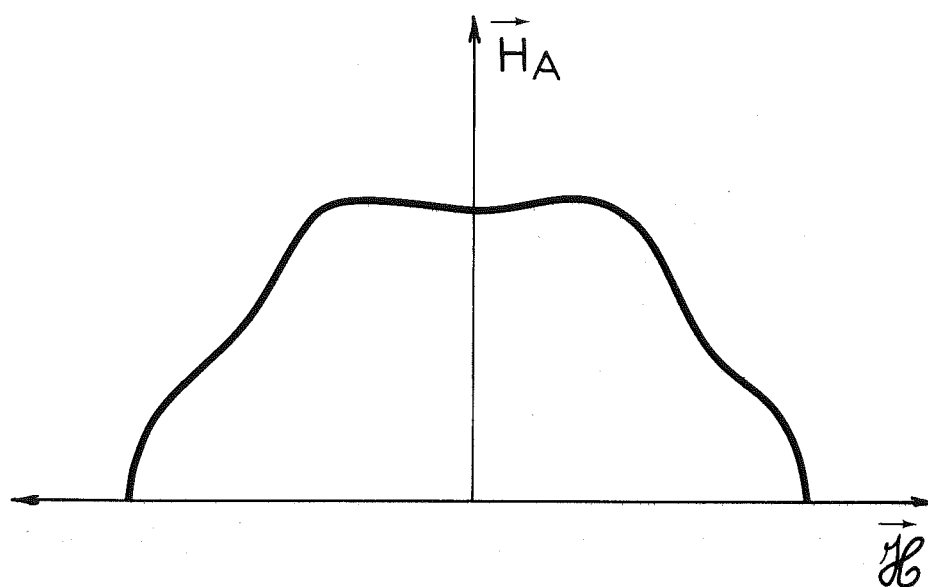


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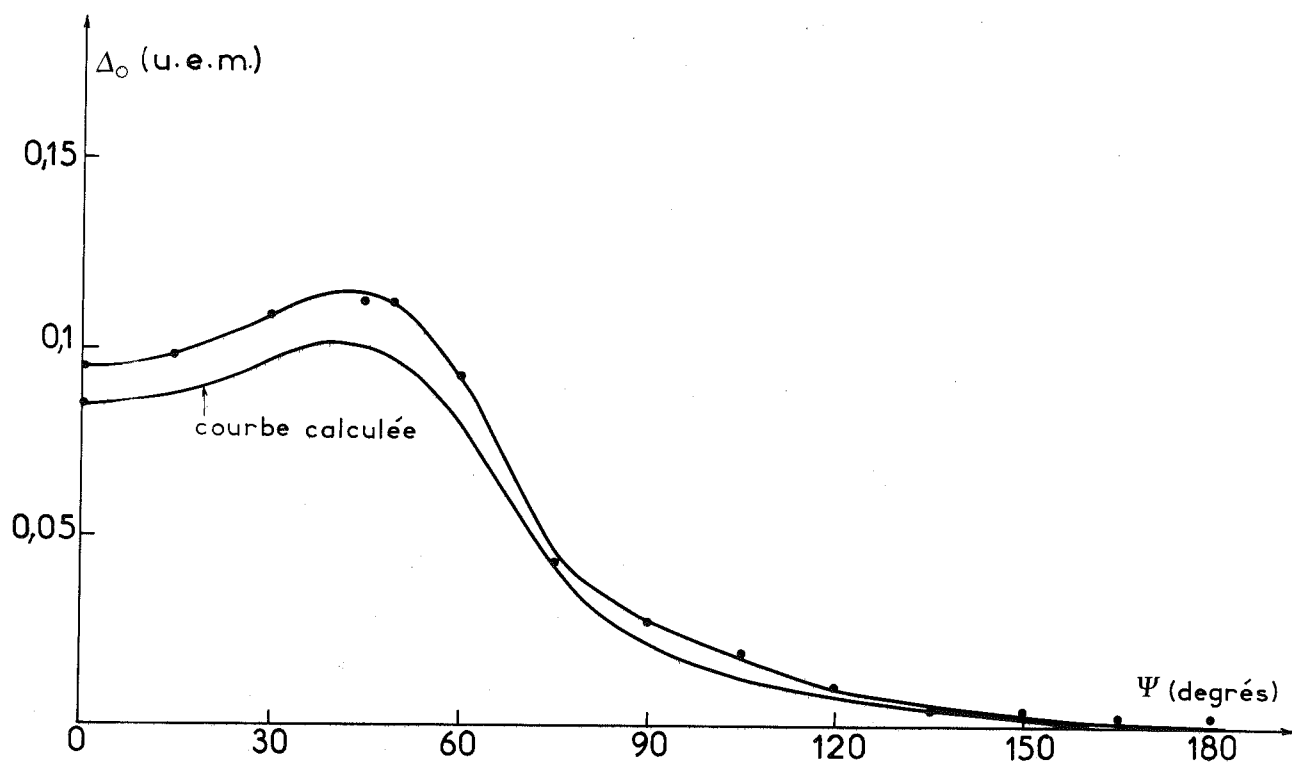


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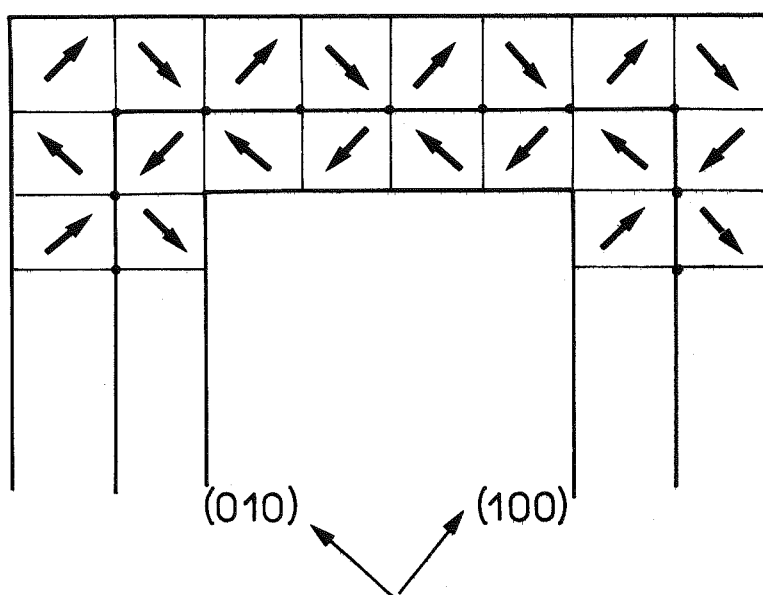


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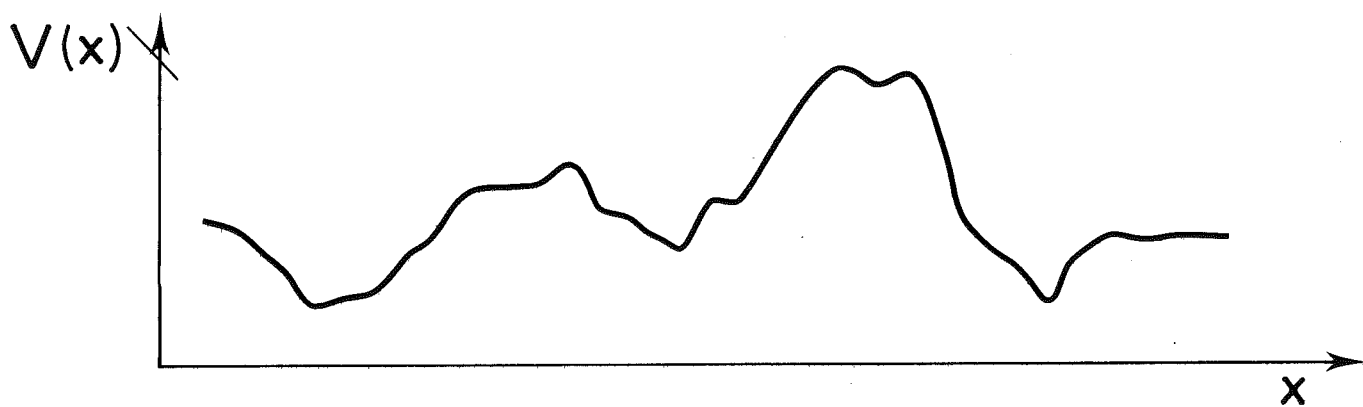


Fig. 70

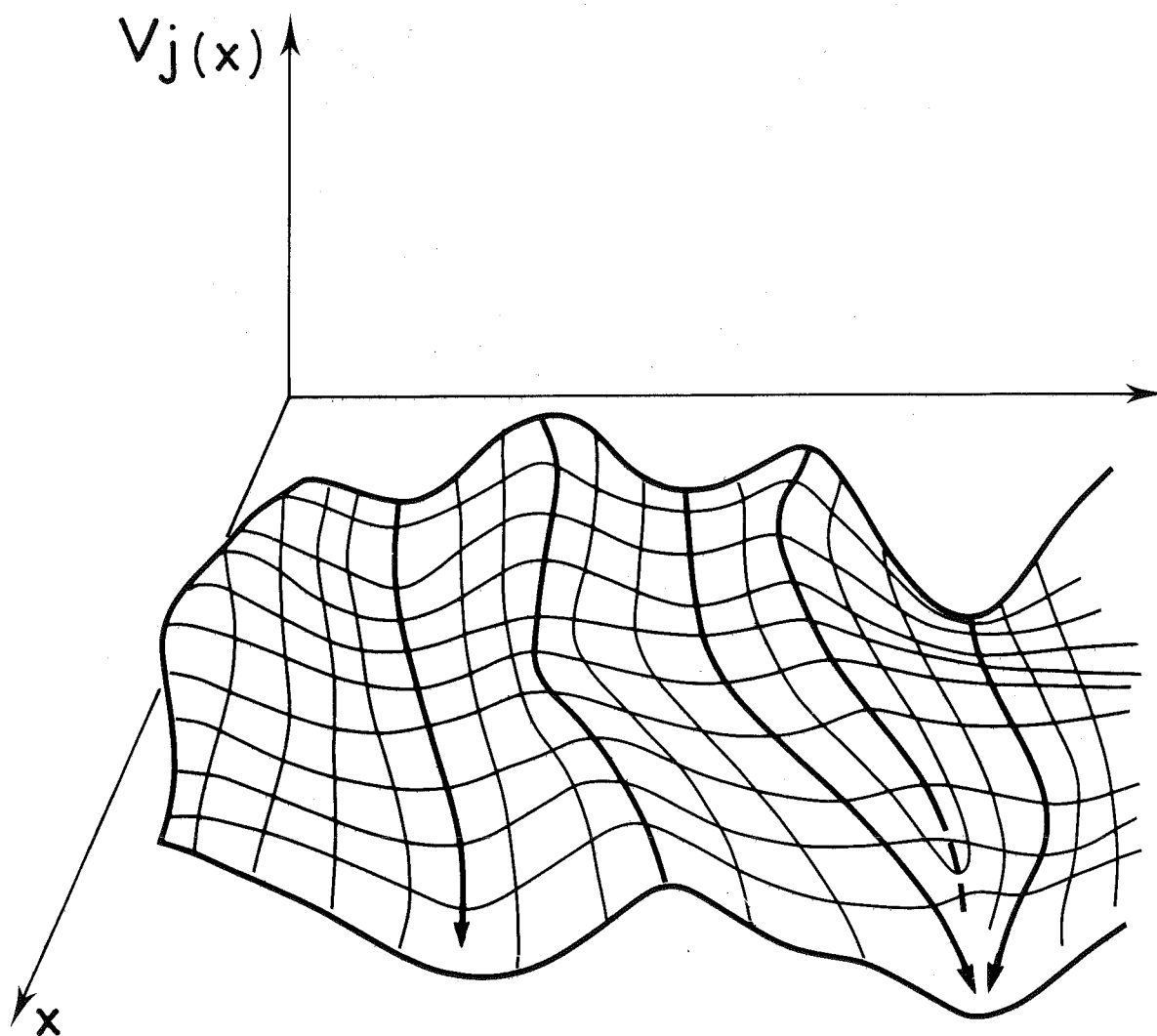


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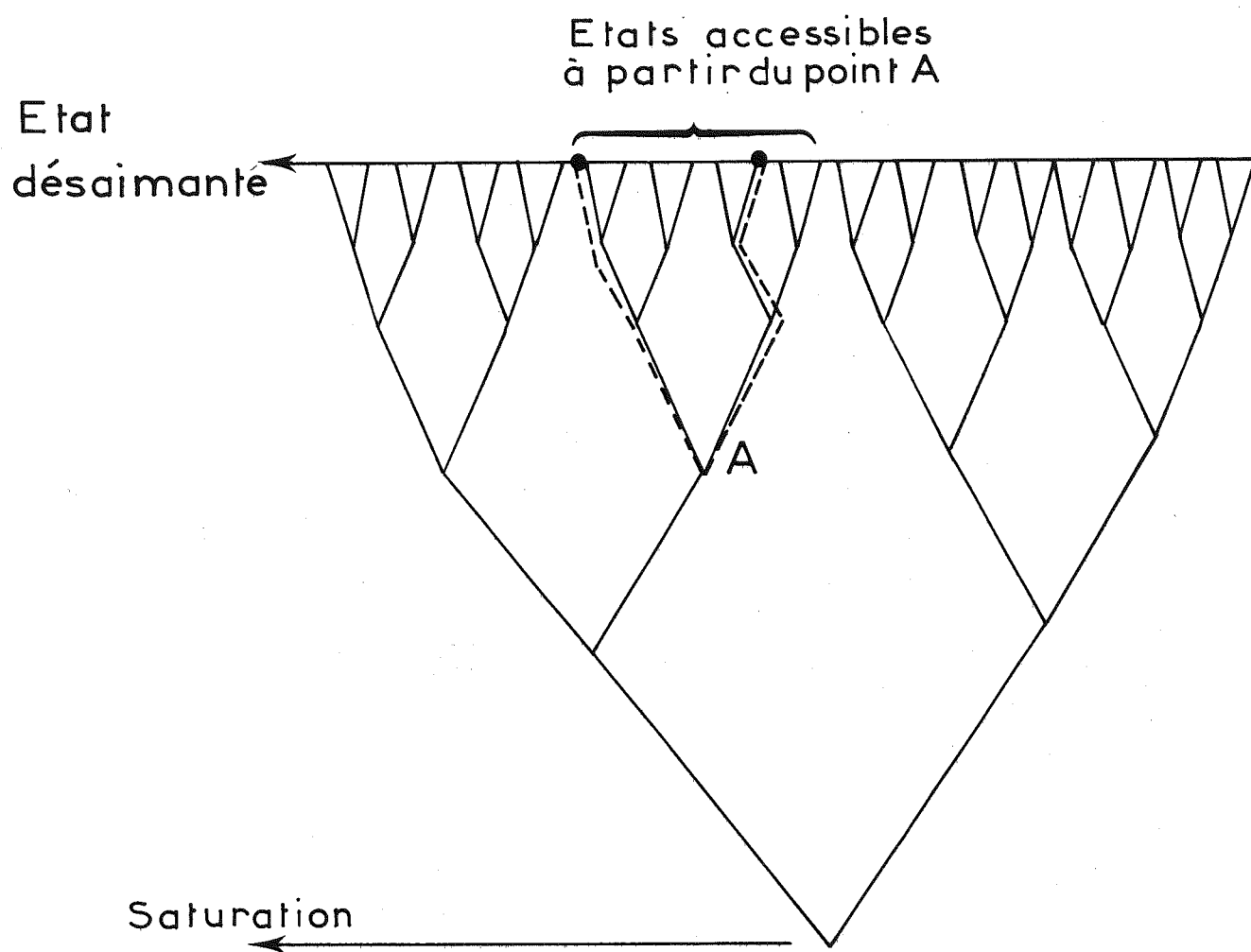


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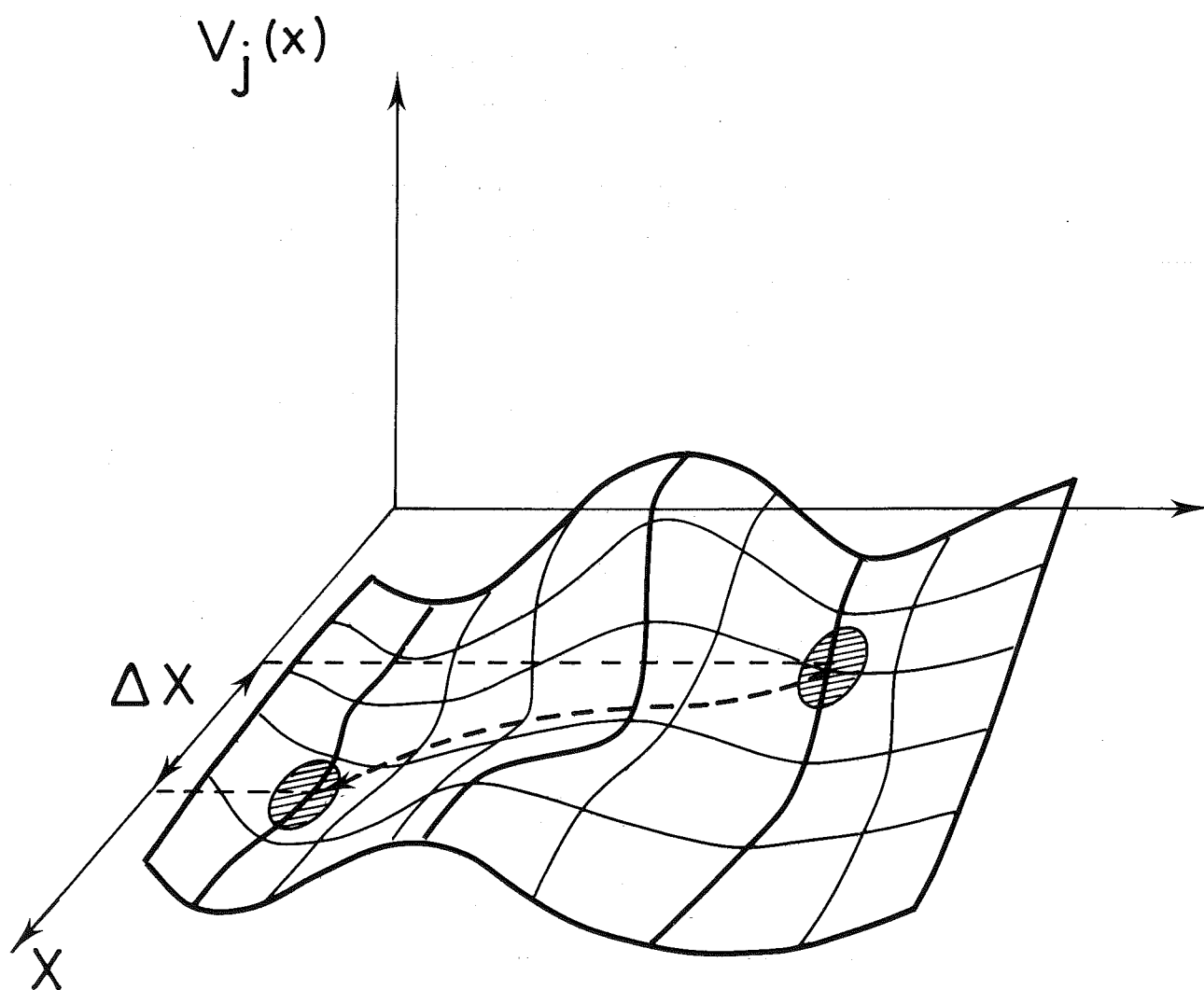


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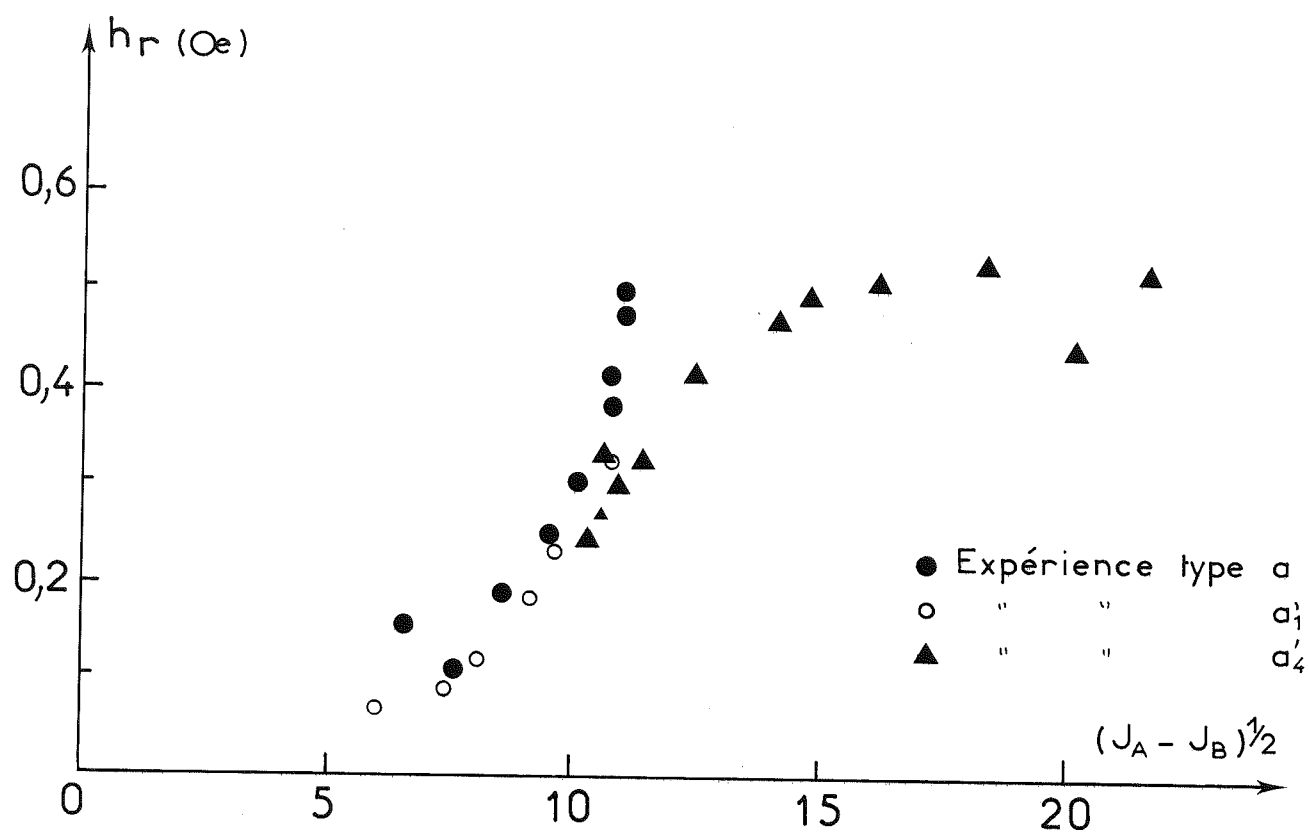


Fig.74

