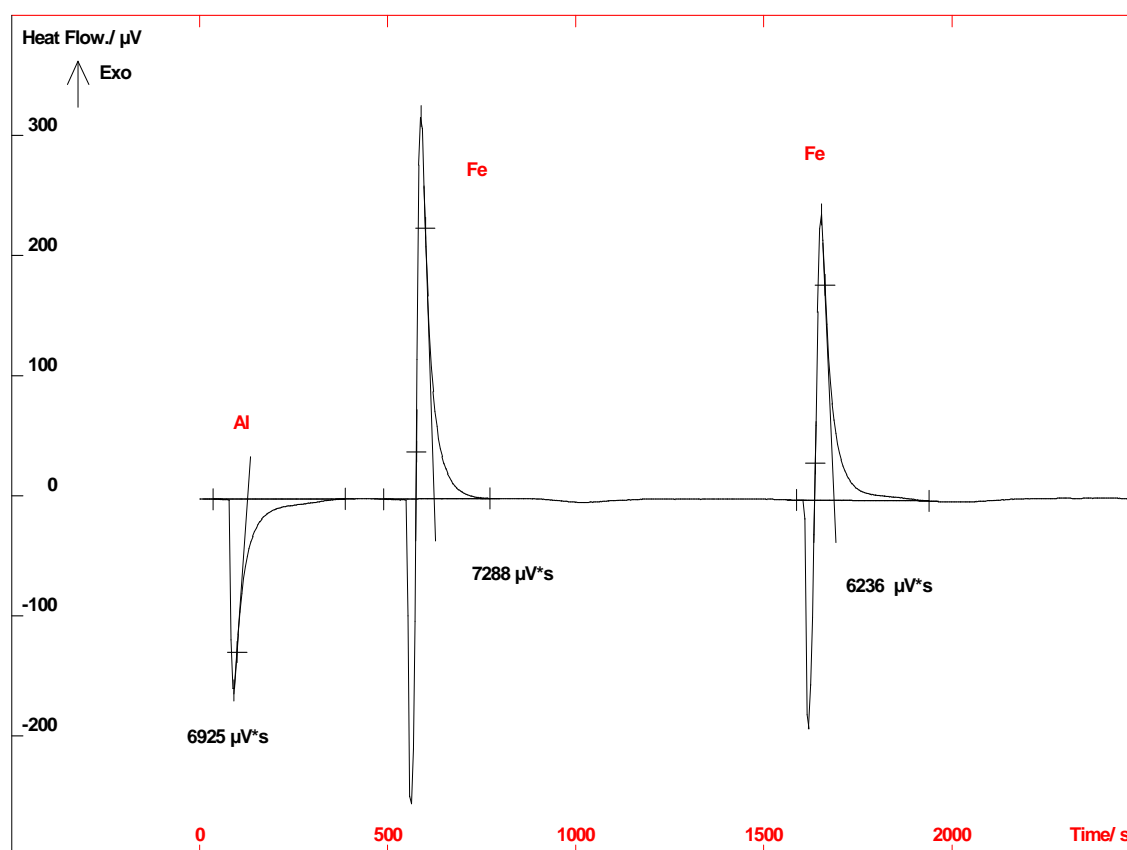


Dissolution of Fe in Al at 1200°C



Experimental :

Instrument : MultiHTC
 Calorimeter transducer : (Pt/PtRh 10%).
 Crucible : alumina.
 Gas : helium.
 Isotherm at 1200°C.

Conclusion:

The drop of a piece of Al in the Al bath produces an endotherm which is used to calibrate the instrument.

The drop of a piece of Fe produces first an endotherm of introduction then an exotherm of dissolution of Fe in Al. From the literature we know the value of the endotherm. By difference the value of the exotherm can be determined.

Instrument :

MHTC96
 ambient / 1600°C



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