

C. E. A. - C. E. N. G.

D. T. C. E. - S. B. T.

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HEAT TRANSFER IN UNSATURATED
SUPERFLUID HELIUM

G. CLAUDET, L. SENET
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Summary

Measurements of heat transfer were carried out in open vertical channels filled with liquid helium which was either saturated or under pressure.

The graphs illustrating the results of these measurements show that in unsaturated superfluid helium, there are two distinct heat transfer rates.

We are suggesting an interpretation of these results founded upon the existence of two critical heat fluxes.