

Pekar, Yu. A.  
THERMAL CONDUCTIVITY OF A COMPLETELY  
IONIZED PLASMA tr. by B. W. Kuvshinoff.  
24 Feb 61, 5p. 4 refs. APL/JHU TG 230-T174.  
Order from OTS \$0.50. 61-21995

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy.  
Fizika (USSR) 1960 no. 2, p. 99-102.  
Another translation is available from OTS or SLA  
\$1.10 as 61-15939; AFCRL-20; MDF P-158, Jan 61  
[7]p.  
Also available from MDF \$3.00 as MDF P-158.

DESCRIPTORS: \*Plasma physics, \*Heat transfer,  
Hydrogen, Deuterium, Ionization.

The electron and ion temperature distributions in a  
fully ionized plasma, bounded by parallel-walled heat  
ducts, are given under the condition that density is  
constant over the cross section of flow in two similar  
cases of strong and weak nonisothermicity. (Author)  
(Physics--Thermodynamics, TT, v. 6, no. 2)

61-21995

- I. Pekar, Yu. A.
- II. APL/JHU TG-230-T174
- III. Applied Physics Lab.,  
Johns Hopkins U.,  
Silver Spring, Md.
- IV. Contract NOrd-7386

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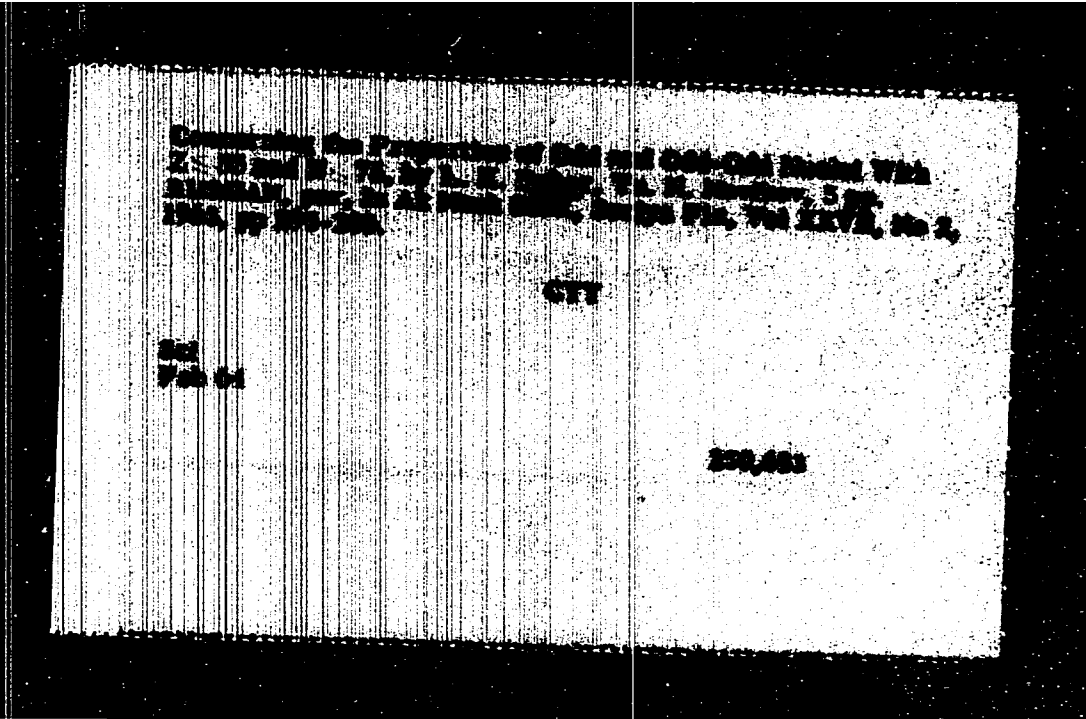
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