



شبكة المعلومات الجامعية

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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

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**“ IMPROVING THE MICROSTRUCTURE AND
MECHANICAL PROPERTIES OF SOME HIGHLY
ALLOYED CAST TOOL STEELS “**

Ph. D.Thesis

Submitted to

Mechanical Engineering Department

AIN SHAMS UNIVERSITY

BY

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(B. Sc. & M. Sc. Mech. Eng.)

FOR

The Degree of Ph. D. in Mechanical Engineering

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بسم الله الرحمن الرحيم

وانزلنا الحديد فيه بأس شديد ومنافع للناس

صدق الله العظيم

STATEMENT

This dissertation is submitted to Ain-Shams University for Ph. D. in Mechanical Engineering.

The work included in this thesis was carried out by the author in the department of Mechanical Engineering, Ain-Shams University, from December 1994 to October 1998.

No part of this thesis has been submitted for a degree or a qualification at any other University or Institute.

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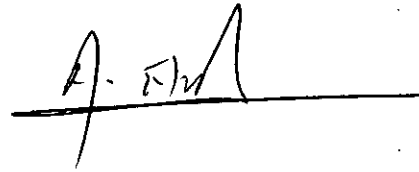
The undersigned certify that they have read and recommend to the **Faculty of Engineering, Ain-Shams University** for acceptance a thesis entitled **"Improving the Microstructure and Mechanical Properties of Some Highly Alloyed Cast Tool Steels"** submitted by Mohamed Ahmed Abbas, partial fulfillment of the requirement for the **Ph. D. in Mechanical Engineering**.

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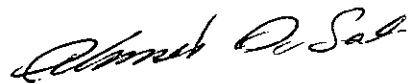
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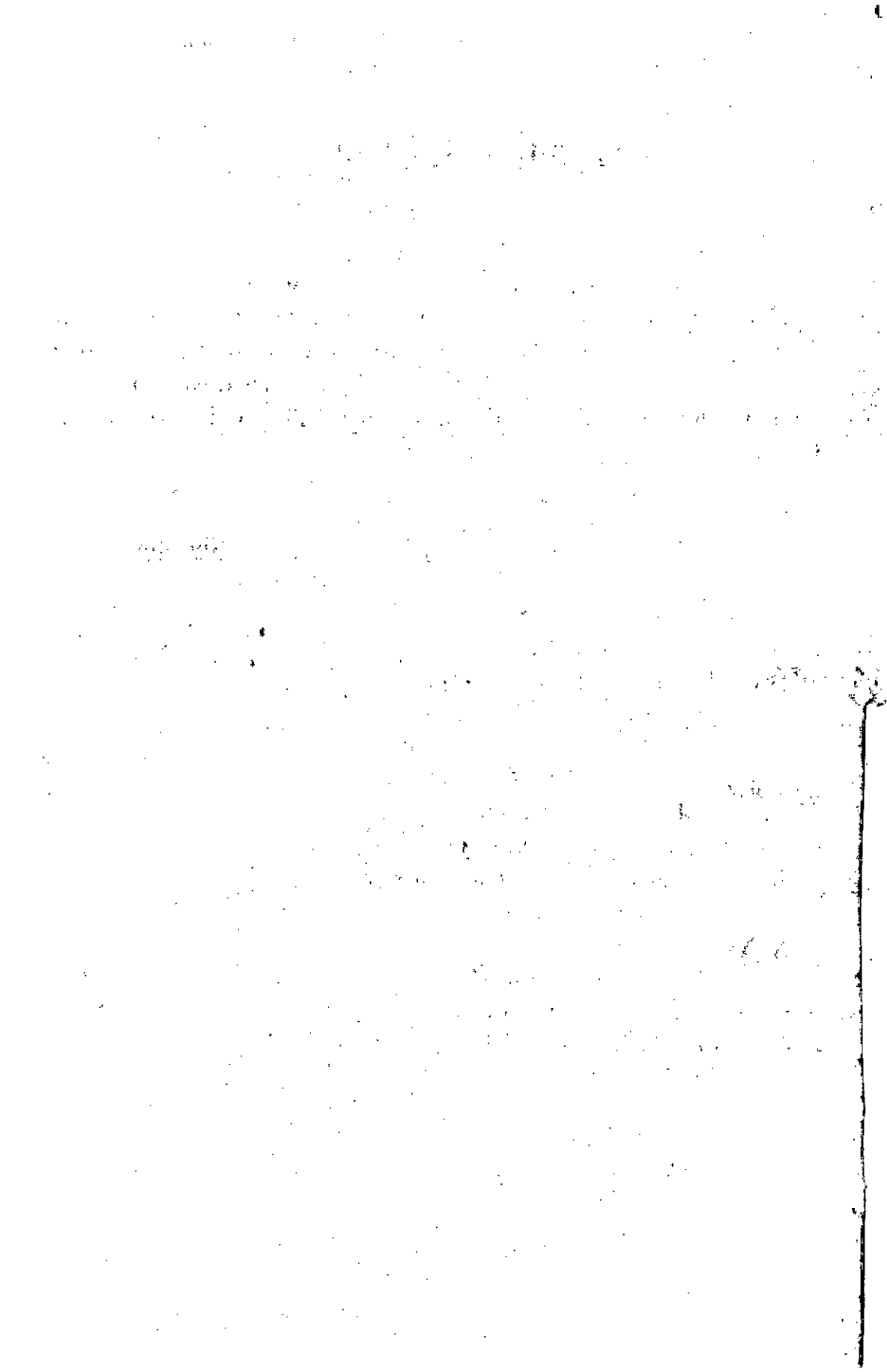
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