UNIVERSITY NAME

DOCTORAL THESIS

Thesis Title

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A thesis submitted in fulfillment of the requirements for the degree of Doctor of Philosophy

in the

Research Group Name Department or School Name

Declaration of Authorship

I, John SMITH, declare that this thesis titled, «Thesis Title» and the work presented in it are my own. I confirm that:

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- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.
- Where I have consulted the published work of others, this is always clearly attributed.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.
- I have acknowledged all main sources of help.
- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

Signed:			
Date:			

<Thanks to my solid academic training, today I can write hundreds of words on virtually any topic without possessing a shred of information, which is how I got a good job in journalism.>

Dave Barry

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Resumen

Faculty Name Department or School Name

Doctor of Philosophy

Thesis Title

by John SMITH

The Thesis Abstract is written here (and usually kept to just this page). The page is kept centered vertically so can expand into the blank space above the title too...

Agradecimientos

The acknowledgments and the people to thank go here, don't forget to include your project advisor. . .

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For/Dedicated to/To my...

Capítulo 1

Solución a la ecuación de Ornstein-Zernike mediante redes neuronales

Las redes neuronales fungen como aproximadores universales [HSW89; Hor91; Cyb89], y como tal pueden ser utilizadas para aproximar cualquier función continua para un determinado tipo de arquitectura. En particular, se espera que una red neuronal pueda servir como paramatrización de la función puente en la condición de cerradura de la ecuación de OZ, y así evitar la decisión arbitraria de aproximaciones escogiendo una función puente en particular.

En esta sección se detalla la metodología creada y los fundamentos matemáticos bajo los cuales se puede hacer uso de redes neuronales para resolver la ecuación de OZ. Se comparan estos resultados con los obtenidos con simulación por computadora.

1.1. Marco Teórico

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1.2. Metodología

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1.3. Resultados

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