

MY PAPERWORKS

H.R.LAW

The Greek letters mean the version of the work.

2015

2015(5?)

α **A Comparison of Methods of Classification in Author-detection:2015.5**
. *Course paper of Dr. Z.H.Wong's Lectures. (Data-mining and Multivariate Statistics)*

α **Notes on Statistics:2015.4~**
. [Jun Shao]Mathematical Statistics
[P.Billingsley]Probability and Measure

α **Notes on Micro-local Analysis:2015.3~**
. [C.D.Sogge] Fourier Integrals in Classical Analysis
[E.Stein] Singular Integrals and Differentiability Properties of Functions
Based on Prof.S.H.Tang's Lectures. (Geometrical Analysis)

γ **Exposition of the Fundamental Theorem of Differential Galois Theory:2014.10, 2015.4**
. *My undergraduate thesis.*

α **Lecture Notes on Riemannian Geometry:2014.10~2014.12, 2015.1**
. [P.Petersen] Riemannian Geometry, 2ed
[Manfredo do Carmo] Riemannian Geometry
[James G.Simmonds]A Brief on Tensor Analysis, 2ed
Based on Prof.B.L.Chen's Lectures. (Riemannian Geometry)

2014

2014(5)

β **Lecture Notes on Representation Theory:2014.11~2014.12, 2015.1**
. [W. Fulton & J. Harris] Representation Theory: A First Course
[J.P.Serre] Linear Representations of Finite Groups
Based on Marc Rosso's Lectures.

α **Notes on the Characteristic Classes:2014.9~11(incomplete)**
. [John Milnor] Characteristic Classes
[Hermann Weyl] The Classical Groups

α **Notes on Morse Theory:2014.8**
. [John Milnor] Morse Theory

α **Notes on Differential Manifolds:2014.4~2014.7**
. [William Boothby] Introduction to Differential Manifolds and Riemannian Geometry
[Loring Tu]Introduction to Manifolds, 2ed

Date: 2015-05-01.

α Lecture Notes on Projective Algebraic Geometry:2014.1~6

. [E. Kunz] Introduction to Commutative Algebra and Algebraic Geometry(Chap 1-4)

Based on Seminar with Prof. X.L.Jiang. (Algebra and Algebraic Geometry)

2013

2013(8)

α Notes on Spectral Theorem of self-adjoint bounded linear operators:2013.12

. *Course paper of Prof L.X.Yan's Lectures. (Functional Analysis for Graduates)*

α Notes on Functional Analysis:2013.9~2013.11

. [E.Kreyszig] Introductory Functional Analysis with Applications

[W.Rudin] Functional Analysis, 2ed(Chap 1~5)

β Notes on Introduction to Differential Topology:2013.9,2014.1

. [K.Janich & T.Brocker] Introduction to Differential Topology

α A Survey of Lie Theory:2013.8

. [J.Stillwell] Naive Lie Theory

α Summer Notes for Reading:2013.7

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β Complementary materials of complex analysis:2013.5~8,2014.5(Chinese)

. [E.Stein]Complex Analysis(Chap1~9)

[T.Needham] Visual Complex Analysis

γ Notes on Algebraic Topology with calculations:2013.3~2013.6

. [A.Hatcher] Algebraic Topology(Chap2~3)

Based on Prof S.H.Tang's Lectures. (Algebraic Topology)

α Notes on Measure theory:2013.3~6,2014.4~5

. [P.R.Halmos] Measure Theory

2012

2012(3)

α Notes on Lyapunov's method:2012.11(Chinese)

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α Notes on Artin's Algebra:2012.8,2014.6

. [M.Artin] Algebra, 2ed

β Notes and Lectures on Advanced Abstract Algebra:2012.6~2013.5,2013.9~2014.1

. [J.Rotman] Advanced Modern Algebra(Chap1-9)

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