

Title	List of Master's theses submitted to the faculty of engineering Keio University : 1970
Sub Title	
Author	
Publisher	慶應義塾大学藤原記念工学部
Publication year	1970
Jtitle	Proceedings of the fujihara memorial f aculty of engineering keio university Vol.23, No.96 (1970.) ,p.175- 181
JaLC DOI	
Abstract	
Notes	Summaries of Doctoral Theses
Genre	
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=KO50001004-00230096-0175

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

LIST OF MASTER'S THESES
SUBMITTED TO THE FACULTY OF ENGINEERING
KEIO UNIVERSITY

— 1970 —

Due to the recent change of editorial policy concerning the handling of master's theses, this section has newly been established to present the author and title of each thesis submitted to the Faculty. The abstracts thus far published here will no longer appear in the PROCEEDINGS. Each thesis is written in Japanese unless otherwise specified.

DEPARTMENT OF ADMINISTRATION ENGINEERING	
AKIMOTO Hiroshi Ship Routing: Monthly Aircraft Scheduling at Airline	OZAWA Masanori Identification of Linear Discrete System: Methods and Comparisons
ANZAI Yuichiro Optimal Control of Fluid Supply Systems with Profitable Utilization of Holders	SAKANO Hiroshi Application of Stochastic Process to Reliability
ARAKAWA Takashi On Factor Analysis	SHINOZAKI Nobuo On a Generalized Inverse of a Matrix: Its Computational Methods and Applications to Least Squares Method
KOBAYASHI Toshiomi Application of Computer to Mathematics: Formula Manipulation	SONOBE Toru Experiment for Concept Learning with IPL-V
KOJIMA Masakazu Optimization Problems under Ordering Relations	TAKAGI Hidefumi Seasonal Adjustments of Economic Time Series
KONOMI Yoshinobu Design of Retailing Control System	TAKEI Takashi Statistical Inference for Markov Processes
KOSAKA Hiroyuki Simulation of the Estimation of Economic Model	TAMURA Michio Data analysis
MACHIDA Shoichiro On the Study of CAI	TEJIMA Tamio Regression Analysis by Mean Square Error
NEMOTO Tadaaki Integration Process of OR Activities into Organization	UEDA Yasuo Measurement Method of Goods' Complexity from a Plan and its Application to a Foundry Manufacturing
OOTSUKA Tsuneto Approximating Method for the Selection of Risky Assets Mix	UENO Fumihiko On a Statistical Decision Theoretic Approach to Adaptive Control Systems

WATANABE Michito
Information Theory on Stochastic Processes

YAMAMOTO Hiroyoshi
Consideration of the Rate of Interest in Capital Investment

YAMAMOTO Yoshikazu
An Example of System Simulation Including Scheduling Problem: Train Management, Inspection and Repair System for TOKAIDO New Line

YONEKAWA Masato
Accounting Information System for Fiscal Year Profit Planning

**DEPARTMENT OF
APPLIED CHEMISTRY**

ABE Hisamasa
Synthesis of Branched-Chain Sugar: Methyl 3-amino-3-deoxy-4-c-methyl- β -D-xylopyranoside

DAIGO Takaji
Study on the Electrorefining of Palladium

DOI Yoshinao
Conversion of Paper Properties with Polyvinyl Alcohol-Methyl Acrylate Graft Copolymer

FUJII Hiromitsu
Kinetics of Solid State Reaction between BaCO_3 and SiO_2

FUJII Toshiyuki
Synthesis of 5-0-(2-Amino-2-deoxy- α -D-glucopyranosyl)-deoxystreptamine

FUNAKI Takeshi
Properties of Processed Paper by Polymer Aqueous Solution

HATTORI Yukinori
Copper Corrosion with Hydrogen Sulfide

HIBIYA Taketoshi
Behavior of Pores in the Sintering of Oxides

HORIUCHI Yukio
Structural Elucidation of Dienomycins: New Antibiotics

INOUE Katsuhiko
Properties of Graft Copolymer Latexes of Polyvinyl Alcohol

INOUE Toshio
Studies in the Mechanism of Film Formation for Synthetic Latexes

IWAHORI Toru
Electrochemical Study on Copper-Zinc Alloys in Aqueous Chloride Solutions

IWAMA Masanori
Electrical Properties of Mg-Substituted MnTe_2

IWASAKI Akihiro
Utility of Acyloins

KAMOSHITA Masaru
Observation on the Microstructure of Sintered Ferrite

KATO Naoyuki
Synthesis of Sugar Derivatives

KONNO Shinya
Determination of Fluorine in a Living Body

KUDO Yoshitaka
Dibasic Acids Containing Ether Linkages

KUROSAWA Noriko
Solubilization of "Wirkstoffe" by Introducing Polyoxyethylene Groups

MAKABE Osamu
Synthesis of New Nucleosides

MATSUMURA Shuichi
Amphoteric Surface Active Agents Containing Ether Linkage

NAKAGOME Masaki
Synthetic Studies of Aminocyclitols Analogs

NOJIMA Kazuhiro
Synthetic Studies of Bromination of Aminocyclitols

OGAWA Masahiro
Effects of Pressure on the Curie Points of Pseudo-NiAs-Type Intermetallic Compounds with Magnetic Lattice Defects

OKAMOTO Akira
Behavior of Pores in the Sintering of Ferrites

- OKAZAKI Yasushi
Synthesis of 3', 4'-Dideoxykanamycin B
- OKUNO Takeshi
Grafting of Vinyl Monomer onto Natural Polymer
- SAKOTA Yukio
Synthetic Studies of Nucleoside Analogues
- SATO Koichi
Elemental Analysis of Organic Compounds by Pressure Measurement. (1) Carbon Determination
- SHIMOYAMA Yasuhiko
Physical Properties of Synthetic Resin Emulsion Containing Carboxyl Groups
- SHIRAISHI Takashi
Study on CuFe_2O_4 - Fe_3O_4 Spinel Solid Solution
- SHOYAMA Takahiko
Synthesis of Homogenous Polyoxyethylenealkylethers of Decyl and Dodecyl Alcohols.
- TAKAGI Yasushi
A New Method for the Simultaneous Protection of Amino and Hydroxyl Groups in Aminosugars and Aminocyclitols
- TAKEDA Ryuichiro
Ferroelectric Glass-Ceramics: Crystallization of TiO_2 - PbO - B_2O_3 - SiO_2 Glass
- TAKESHITA Hiroshi
Oxidation of Fe-Cr Alloys
- TAKI Kiyotaka
Electrochemical Studies on Vanadium Pentoxide Electrodes
- TOKUOKA Yasumichi
Studies on Electrophoretic Deposition of Nickel Ferrite Particles
- TOMIFUJI Osamu
Synthesis of Polymer Latexes Containing Carboxyl Groups
- TSUKAHARA Masayasu
Fundamental Study on the Metallization of Plastics
- USUI Takayuki
Studies on a New Metabolite Sphydrofuran
- WADA Masao
Synthesis of Antimycin A_3 and Its Diastereomer
- WADA Yasuaki
Dispersion Effect of Organic Inhibitors on Their Inhibition against Metallic Corrosion
- WATANABE Kohei
Synthesis of Kanamycin and 3'-Deoxykanamycin
- YATABE Mitsuru
Nitrogenation of Fe-Cr Alloys
- YOSHIKI Nobuya
Mass Transfer with Chemical Reaction from Successive Bubbles
-
- DEPARTMENT OF
ELECTRICAL ENGINEERING**
-
- AKIMA Koichiro
Studies on the Neodymium Lasers
- HAYAKAWA Akihiro
Simulation of Plastoviscoelasticity of Rubber
- HONDA Ikuji
Stochastic Matrix Representation of Random Processes
- HONDO Haruo
Noise in Rippled Electron Beams
- IKEDA Hiroyuki
Light Beam Scanning Using Holographic Techniques
- INOMOTO Norihiko
On the Third-Order Nonlinear Differential Equation with a Periodic External Force
- ISHIHARA Nobuaki
Synthesis of Phase Splitting Network
- IWAOKA Hideto
Study of Power Characteristics of the Sealed off CO_2 Lasers
- JINMON Masashi
Study on Semiconductive Infrared Detector (Ge-Au)

- KATO Tatsunori
New High Speed Stroboscope and Its Application
- KAWAGUCHI Ikuo
On the Correlation Between the Avalanche Multiplication and the Second Break-down of Transistor
- KEMMOCHI Yoichi
Hybrid Computer Solution of Hyperbolic Partial Differential Equations
- KIKUCHI Hiroshi
Field Effect in Liquid Crystals
- KIKUCHI Makoto
Application of Identification Method with Pseudorandom Signals
- KINOSHITA Kouta
Study on the Spectrum of a CO₂ Laser
- KISHI Masashichi
Realization of a Constant Phase Impedance with Uniformly Distributed RC Lines
- KOBAYASHI Soichi
Holographic Memory Using Sampling Technique at Fourier Transform Domain
- MIYOSHI Morimasa
Numerical Analysis on Transistor Junction Temperature by Means of Difference Method
- NAKAGAWA Masao
Effect of Noise in Nonlinear Systems
- NANAO Kazuhiko
Transverse Modes Switching by Electric Optical Crystal in He-Ne Gas Laser
- OBITSU Ryoji
Analysis of the Constant Speed Control of a DC Servo System with a Thyristor Power Supply
- ONO Hiroshi
Effect of Phase and Tinbre Detection of Complex Tone
- OOKI Yasutugu
Large Forward Biased PIN Silicon Diode Admittance at Microwave Frequencies
- SAKAMURA Yasushi
A superconducting Josephson Junction
- SATAKE Michioki
Study on the Digital Computer for Control Use
- SUDA Toshikazu
Infrared Quenching in Evaporated Film of CdS_{1-x}CdSe_x
- TAJIMA Eiichi
Two Modes of Transistor Secondbreak-down
- TANAKA Kaoru
Study on Loaded Array Antennas
- TORAIWA Eiji
Pico-second Pulse Generation with Non-linear LC Distributed Line
- TSURUTA Shichiro
Note on Signal-to-Noise Ratio in Band-Pass Biased Power-Law Device
- UETAKE Yoshinari
Analysis of Thyristors in High Frequency Operation
- UMEMURA Mamoru
Optimization of a Non-Linear Heat Transfer System by Means of Hybrid Computation
- WATAYA Hideo
Timing Extraction by Push-Pull Oscillator in PCM Systems
- YANAGISAWA Yoshikazu
Stabilizing Methods of Quartz Crystal Oscillators
- YANASE Tomoo
Rotational Competition of Carbon Dioxide Laser
- YOSHIMURA Kozo
Phase Velocity of Coupled Yagi Arrays

**DEPARTMENT OF
INSTRUMENTATION ENGINEERING**

- ENDO Norio
Negative Resistance and Oscillations of Co doped Si p-i-n Diodes
- ISHIYAMA Toshio
Study of Optimal Control of the System with Time-lag

- KATO Tsuguhiko
Study of Walsh Functions
- KANEKO Hirokazu
Laboratory Fabrication of p-type MOS (Si-SiO₂-Al) Diodes and the Magnetic Field Dependence of Their C-V Curves
- MATSUBARA Youichi
Concentration Polarization Phenomena in Ion-Exchange Membrane System and Its Application
- MISAWA Hiroshi
Stability Boundary of Parametric Oscillations
- MIYAMOTO Tadaaki
Study of Optimization Control of Hot Tandem Mill
- NAGAI Yoshihiro
On Learning Processes
- SHIIKI Kazuo
Tunneling Spectroscopy in Graphite
- TAKEDA Nagao
Photoconduction of 9,10-dichloroanthracene Films
- TATEISHI Mizuo
Dispersion Relations in Plasmas
- YANAGITA Tomoatsu
Study on the Automatic Recognition of Voice
- YOSHII Hiroshi
Experimental Analysis of Switching Behavior of Wall Attaching Type Fluid Amplifier.
-
- DEPARTMENT OF
MECHANICAL ENGINEERING**
-
- AKUTO Tsuneo
Study on the Thermodynamic Properties of Ammonia
- ARAI Hitoshi
Transient Response of Oil Lines with Accumulator
- ARAKI Ryuichi
Behavior of Crack Propagation on Low Cycle Fatigue at Elevated Temperature
- CHOSOKABE Tadashi
Stability of Flow between Two Elastic Plane Walls
- FUJIKAWA Yasuo
On the Study of Flow within Impeller of Inward-Flow Radial Turbine
- FUSE Kenichi
Elastic Responses of a Polyethylene Melt in a Round Tube Extrusion
- HIGUCHI Kazuo
Behaviors of Automobile Occupant in Collision
- INA Fumio
Study on the Mutual Interference of Transfer Rate: On the Mass Transfer from Two Parallel Cylinder
- ISHII Takashi
Volume Change in Viscoelastic Composite Propellant
- ISHIMOTO Shozaburo
Study of Thermodynamic Properties of Ordinary Water Substance in the Critical Region
- ISHIZEKI Kohji
Plasma Confinement in Toroidal Quadrupole Magnetic Field
- ITO Masayori
Study on Fine Infeed Mechanism
- KAWAI Chikahiro
Study of Rotary Regenerator: A Theoretical Study
- KISHI Toshikazu
Experimental Study of the Detached Shock Wave in front of Two Circular Cylinders
- KOBASHI Masaaki
Investigation of the Resonance Tube: On the Influence of the Change of Tube's Internal Geometries
- KOBAYASHI Yoshito
Strength and Fracture of Ductile Materials
- KURODA Masao
Effect of the Concentrated Constant System on the Earthquake-Proof Design of Piping Systems of a Nuclear Reactor.

- KUROSAKI Takefumi
Research of Grinding Mechanism on Abrasive Belt Grinding
- MIZUKI Shinpei
Investigation Concerning the Blade Loadings on the Centrifugal and Mixed-Flow Compressors
- MORI Takahiko
Study on the Rotating Fluids: On the Stability of Three-Dimensional Flow between Two Rotating Coaxial Disks
- MORI Yasuhiko
Investigation on the Collapse Phenomenon of Superheated Liquids: The Experiment by the Superheated Droplets of Water in the Non-Soluble Heating Liquid
- MURAI Yukio
Study of Transport Properties of Gases at High Temperatures and Pressures
- NAGASAKA Hideo
On the Bubble Nucleation within Superheated Boundary Layer
- NAKAGAWA Yukio
Finite Element Technique for Viscoelastic Analysis under Finite Deformation Based on Relaxation and Creep Integral Laws
- ŌHASHI Toshijirō
Study on the Low Cycle Fatigue
- OKADA Shigeru
Investigation Concerning Inducer of Centrifugal and Mixed-Flow Compressors
- OKURA Hirotaka
Research of the Interaction of a Plane Shock Wave in Air with a Plane Rigid Wall
- OZONO Jiro
Experimental Investigation of Regenerative Compressor
- RO Yoshihito
Initiation and Propagation of the Fatigue Crack in the Martensitic Structure
- SAITO Jiro
Influence of the Ultrasonic Vibration to the Coefficient of Friction Using Jumps of the Semi-Circular Ring
- SAITO Makoto
Analysis of a Class of Optimal Control Problems by Functional Analysis Approach
- SAWADA Hiroshi
Stability Analysis of Nonconservative Elastic Systems via Lyapunov's Direct Method
- SHIMIZU Naoaki
Study on Non-Newtonian Flow in a Pipe: On the Flow through Orifice Plate
- SHIMOSEKI Masayoshi
Problem of Large Deflection of Coiled Springs: Basic Theory
- SHINOHARA Kanae
Viscosity Flow of Revolving Radial Leakage
- SHIROSE Haruya
Research of Automatic Monitoring of Computer Controlled Engine Testing
- SONG Samhong
Observation on the Crack Initiation in the High Hardened Steel
- SUEFUSA Hiroshi
Effects of Reynolds Number on Performance Characteristics of a Centrifugal Compressor
- SUZUKI Hideto
Relationship between Static Strength and Fatigue of a Ferrite Matrix Reinforced with Martensite
- SUZUKI Yasuo
Optimal Heating in Continuous Kilns
- SUZUKI Yasuo
Flow over a Waving Plate
- SUGIURA Masayoshi
Testing of the Self-Crowbaring Gap
- TAKEI Takashi
Diffusion Flame in the Boundary Layer in a Porous Surface: Measurement on the Flow in the Boundary Layer
- TAKEUCHI Hiromu
Two-Dimensional Stress Analysis of a Strip with a Central Circular Insertion by Scattered Light Method

- TSUCHIYA Asahi
Designing of Tapered-Pipe Forming Equipment
- TSUJITA Mineo
Study of the Diesel Engine on the Model of the Constant Volume Combustion Chamber
- WATANABE Masahiro
Experimental Investigation of Non-Steady Flow in a Radial Turbine
- YAMADA Tamotsu
Interpretation of Jetmayer's Empirical Formula for Column Design
- YAMAGUCHI Nobumasa
Production Control Planning by E.D.P.S.
- YAMAGUCHI Tadashi
Study of the Thermodynamic Properties of Refrigerants
- YAMAMOTO Yasuo
Study on the Photoviscoelastic Strain Analysis of Polyurethane Rubber under Finite Deformation