# 慶應義塾大学学術情報リポジトリ

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Title	List of Master's theses submitted to the faculty of engineering Keio University: 1969
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# LIST OF MASTER'S THESES SUBMITTED TO THE FACULTY OF ENGINEERING KEIO UNIVERSITY

-1969 -

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

# ARIMOTO Akio

Dynamic system and Markov decision process

#### FUIITA Seiichi

Survey of theory in process analysis and its application to the blast furnace

# HIROSE Sadahiko

Consideration for constructing a technological man-power system model

# HIROSE Tadasi

About the strategy in some competition models

# ISHIMATSU Takeo

Learning factor method

# KAWASHIMA Naoya

Computer control in town gas industry

# KUSUMOTO Masako

Problem of optimal employment

# NAKAMURA Masao

Some optimization problems of a stochastic dynamic system

# OKUDA Yoshihide

Markov chain approach to the (s S) inventory system

# ONO Isao

Utilization of O.R. activities in organization

# SAKURADA Susumu

Economical analysis of tanker design

#### TANABE Kota

Probability distribution of random variables obtained by arithmetical operations of independent and uniformly distributed random variables

# YAMADA Masao

Behavioral theory of the firm

# YAMASAKI Masayuki

Computer control of ICI naphtha reforming

# YOKOI Takeo

Truncation point problem in censorship type I

# DEPARTMENT OF APPLIED CHEMISTRY

#### ABE Yukihiro

Study on instrumental method of gas analysis

# CHAYAMA Takahide

Study on new antibiotics

# IKEGAMI Mikihiko

Graft copolymer of water soluble polymer

# KHAN, M. Ajimal

Film forming temperatures of polymer latexes

# KIMEDA Minoru

Study on new antibiotics

# KUWAMOTO Hidehiko

Study on the formation of ferrites by hydrothermal treatment

# MIMURA Kunihiko

Synthesis of molecular homogenious polyoxyethylenenonylphenyl-ethers

# MIYAOKA Nobuhiro

Synthesis of  $\beta$ -n-alkoxy propionic acid containing odd-numbered alkoxy group

# MUTO Ryujiro

Synthesis of 3-0-methylkanamycin

# NAGAE Toshiyasu

Drying temperature of synthetic latex coated paper

# OSAWA Toshihiko

Study on the lattice defects of electrodeposited metals

#### OSANAi Shuichi

Antibacterial and antifungal activities of the amine salts of some  $\beta$ -alkoxypropionic acids

# SANO Hiroshi

Synthetic study of aminocyclitol

#### SATO Hiroshi

Electrical and thermal conductivity of powder bed

# SATO Yutaka

Synthetic study of nucleoside analogs

# TSUJIMOTO Nobuhiro

Study on photochemical reactions in air pollution: Behavior of hydrocarbons and nitrogen oxides

# SUGANUMA Heiroku

A basic study on the stability of binary alcoholic emulsions

#### SUMI Koichiro

Study on electrophoretic deposition

#### SUO Kivohiko

Synthesis of a branched-chain amino sugar: 3-methylamino-3-deoxy-4-C-methyl-pentose

#### TAKAGI Shigeharu

Effect of pH on the mechanism of emulsion polymerization

#### TASHIRO Mitsuhiko

Crystallographic study of a new intermetallic compound  $MgTe_2$ 

#### YOKOYAMA Taro

Neutron activation analysis of selenium in the atmosphere

# YOSHIMI Takeo

Study of semiconductivity in the intermetallic compound in the system Fe-Se: Effect of pressure on magnetic transition point of Fe-Se

# DEPARTMENT OF ELECTRICAL ENGINEERING

# HASHIMOTO Shigeki

Construction method of RC wide-band phase shift network

# HANE Kunio

Electrical breakdown mechanism of electronegative gases

# KHAN, Ahmed Abbas

Lighting design

# KUMAMOTO Takeo

Transient response of pulse signal through a distributed RC network and electrical analogy of the moving boundary problem in heat conduction

# NAGAO Taiji

Responses of induction motors for voltage and frequency fluctuation of power supply

#### OHASHI Kaiichiro

Study on IMPATT diode

# OZAWA Shinji

On the feedback balanced code for multilevel PCM transmission

# SHIMIZU Misao

Carrier injection effects on triggering energy of secondary breakdown in semiconductor devices

# SHIOIRI Takehumi

Study on the general purpose direct simulator for the hyperbolic type partial differential equations

# TANAKA Hideo

Study on CO2 laser

# TANAKA Shuntaro

Stability domain estimation of non-linear control system using Lyapunov function

# TANAKA Tadahito

A new method to measure the frequency spectrum of the noise in the electron beam

# YABE Sadaomi

Study on the pre-arc voltage of coppergraphite contacts

# YAMASHITA Hisanao

Study on the electrical breakdown in liquid dielectrics

# DEPARTMENT OF INSTRUMENTATION ENGINEERING

# KODAMA Hideo

Electrical properties of CO-doped Si p-i-n diodes

#### NAKASHIMA Joh

On the photoconduction of anthracene

# MORI Sigehiko

Erequency mixing in a magneto-plasma by two nonuniform electric fields

# SAGANE Katsuro

Radiation from a rectangular waveguide loaded by a magnetized ferrite cylinder

# YAMADA Kunio

Diamagnetism of the aromatic molecules

# DEPARTMENT OF MECHANICAL ENGINEERING

# ARAE Minoru

Study on the coaxial type plasma gun

# ARAI Nobukatsu

Numerical calculation of the inlet deviation angle, and the optimum incidence angle of a centrifugal impeller with inducer vanes

# ASANO Hideki

Rheo-optical study on the viscoelastic flow

# DU, Wen-chien

Study on the bubble collapse in the organic liquids

# FUKASE Hisahiko

Study on defect and strength of a viscoelastic material

#### HARA Keiichi

Study on the effct of filler on viscoelastic material

# HATTORI Yasuhiro

Transitional behaviour of shafts through their critical speed

#### HON'AMI Shinii

Investigation on the fluid flow in a mixed flow diffuser

# KASHIO Takayuki

Study on inlet cooled gas-turbine

# KANIE Yoshihide

Research on transonic flow using a shock tube: Detached shock wave in transonic flow

# KATO Tsuyoshi

Investigation of flow within turbine

# KIKKAWA Noriyuki

Influence of ferrite grain size on the initiation and propagation of fatigue slip band and crack

# KIMURA Kazuo

Observations on the mode of fatigue crack formation in induction-hardened S35C steel at high hardness level

#### KIMURA Makoto

Research on rationalization of production system by mechanization

# MAEHARA Hironori

Research on the behaviour of falling bodies in a viscous fluid

#### MATUSITA Akitake

Analysis of optimal control problems for distributed systems using finite-difference methods

#### MORI Masaue

Experimental research on the inducer of the centrifugal compressor

# MORITA Takakazu

Study on the photoviscoelasticity in large deformation and its application to strain analysis of viscoelastic crack

# NAGAI Toshiaki

Analysis of the dynamic characteristics and the stability for a blower system including the semi-closed air flow system

# NAGAI Nobuo

Experimental research on plastic forming by the ultrasonic method

# NISHIMURA Yukio

Study on crack behaviour of plastic fatigue at elevated temperatures

# OGASAWARA Hiroshi

Investigation on a resonance tube

# OKUMURA Katsuji

Study on the atmization by the air-liquid impinging

# SHIBATA Junji

Study on the Grinding mechanism of the grinding wheel and the abrasive belt

# SHIMADA Tomio

Study on total energy system of gas turbine

# SHIMAZAKI Kuniva

Investigation on unstable flow of viscoelastic fluid

# TERANISHI Juzo

Study on ignition of solid propellant: Ignition of composite propellant by radiant energy

# TOKUNAGA Naohiko

Thermal deformation of centerless grinding machine

# YANO Makoto

Press formability of sheet metals in the non-axisymmetrical forming: Study on cylindrical deep drawing of an eccentric circular blank

# YAMATO Shunsuke

Study on plasma spot welding

# YAMAZAKI Yasuhiro

Study on deforming behavior in the plastic range of sheet metals: Necking behavior of tensile sheet specimen