

EXPERIMENTAL STUDY ON OFFSHORE BREAKWATER WITH MULTIPLE WAVE ENERGY DISSIPATION FUNCTION	T. UDA, Y. FUJISAWA, K. MASUDA	1-6
DEVELOPMENT OF SEMICIRCULAR BREAKWATERS	K. TANIMOTO, T. OKUMURA, N. NAMERIKAWA, F. HASHIZUME, Y. ISHIMARU	7-12
REPORT ON THE HYDRAULIC MODEL EXPERIMENT FOR PERMEABLE BREAKWATER AT PORT OF KAGOSHIMA	T. KIHARA, S. NARUSE, K. MOROISHI	13-18
A HYDRAULIC EXPERIMENTAL STUDY ON BLOCK-IMBEDDED DOUBLE-BOX CAISSON	K. KANDA, J. SAITO, K. MINAGAWA	19-24
A RESEARCH ON ELECTRIC GENERATION USING CHANGE DIVERSION SYSTEM APPARATUS OF LOW HEAD WATER	H. WADA, F. JIKU	25-28
A STUDY ON EFFICIENCY OF POWER ABSORPTION BY A FLAP TYPE WAVE-ENERGY CONVERTER	H. TAMAOKI, M. ABE, T. AGAWA	29-34
THE PERFORMANCE OF GENERATION BY WAVE POWER GENERATOR "KAIMEI"	H. HOTTA, T. MIYAZAKI, Y. WASHIO, S. ISHII	35-40
THE STUDY ON THE DEVELOPMENT OF SANDY BEACH WITH PRIORITY GIVEN TO FISHING PORT	M. FUKUYA, S. SAKIA, Y. NISHI	41-46
HIGH UTILIZATION OF COASTAL FISHERY RESOURCES AND IMPROVEMENT OF FISHING PORTS AND COMMUNITIES	K. NEMOTO, S. SAKAI, T. IKEDA	47-52
MARINE TOWN PROJECT IN TEI PORT	A. YONEZAWA, J. KUNITA, M. YOSHIOKA, M. FUKUNAGA, S. IWATANI, M. YAMASITA	53-58
OBSERVATIONS OF SEA WAVES WITH THE NEW STRUCTURE SYSTEM IN SAKATA PORT	F. IWATANI, S. MIYAI, K. MISHINA	59-64
SCATTERING AND RADIATION BY AN INFINITE CYLINDER OF ARBITRARY SECTION IN OBLIQUE WAVES	T. NAKAMURA, S. MORITA, M. ONO	65-70
NUMERICAL SIMULATION OF WAVE HEIGHT DISTRIBUTION BEHIND OFFSHORE BREAKWATER	T. UDA, Y. MURAI, R. FUJIWARA, K. MATSUO	71-76
APPLICATION OF NUMERICAL MODEL OF CURRENT-DEPTH WAVE REFRACTION TO ACTUAL COAST	T. SAKAI, K. MURAI	77-82
FIELD STUDIES OF WAVE FORCES ON A CYLINDRICAL OFFSHORE	T. KADONO, T. SEKINO, Y.	83-88
ON THE EXPERIMENTAL STUDIES OF INTERFERENCE EFFECT BETWEEN THE FLOATING STRUCTURES	T. TSUZUKU, K. HOSINO, S. OHMATSU	89-94
EXPERIMENTS AND FIELD OBSERVATION OF BEHAVIORS OF A SHIP-TYPE OBSERVATION BUOY	T. TAKAYAMA, T. HIRAIISHI, M. TAKAYAMA, G. KAI, I. NAKANO	95-100
EFFECTS OF ENERGY LOSS NEAR INTERFACE BETWEEN WATER AND BED ON PROPAGATION OF WAVE-INDUCED PORE PRESSURE	Y. MAENO, T. HASEGAWA	101-106
MUD TRANSPORT MECHANISM DUE TO WAVE ACTION	T. SHIBAYAMA, S. SATO	107-112
ANALYSIS OF STRONG-MOTION AND HYDRODYNAMIC PRESSURE RECORDS OBSERVED ON FILL TYPE BREAKWATER IN DEEP SEA	T. UWABE, H. TSUCHIDA, E. KURATA	113-118
RESEARCH ON THE DEVICE FOR ACOUSTIC DETECTION OF MARINE	Y. MAMIWA	119-124
REPORT ON THE FIELD EXAMINATION OF BREAKWATER INSTALLED DIRECTLY ON SOFT SEABED	T. KIHARA, O. NAKAI, S. NARUSE, Y. YOSHIMOTO, K. IKEDA	125-130
THE INFLUENCE OF ROUGHNESS OF RUBBLE MOUND ON THE BEARING CAPACITY	H. TANAKA, H. ODANI, M. TAKAHASHI	131-136
STUDY OF CONSTRUCTION METHOD TO ARTIFICIAL ISLAND	H. KITAMURA, T. SANADA, K. SHIMOMURA, T. KATO	137-142
PROPERTY OF UNDERWATER CONCRETE CONTAINING SEGREGATION CONTROLLING ADMIXTURE AND APPLICABILITY TO CONSTRUCTION IN THE OCEAN	T. HAGA, S. SOGO, S. TAMADA, A. WATANABE	143-148
ON METHOD FOR UNDERWATER PLACEMENT OF FLOWABLE SOIL CEMENT (PART 4) EXPERIMENT OF PLACEMENT INTO LARGE-SIZED WATER TANKS	D. KITA, H. KUBO, K. URUSHIBARA	149-154
PROPERTIES OF SEA ICE-VARIOUS CONCRETES SLIDING ABRASION	K. ITOH, A. YOSHIDA, K. SASAKI, K. IZUMI, H. SAEKI	155-160
ABRASION OF HEAVY DUTY ANTI-CORROSION STEEL PILE DUE TO A MOVEMENT OF SEA ICE	K. SATO, K. SASAKI, K. KOYAMA, T. YAMASHITA, H. SAEKI	161-166
ADHESION STRENGTH BETWEEN SEA ICE AND HEAVY DUTY ANTI-CORROSION STEEL PILE	F. OHTSUKI, K. SASAKI, F. SUGINO, T. ONO, H. SAEKI	167-172
EXPERIMENTAL STUDY ON SCOUR AND SUBSIDENCE BY IRON FISH REEF	K. KUBO	173-178
A FISH-LURING FLOATING BODY WITH SMALL MOTION IN WAVES	S. YAMASHITA, S. SAKURAI, S. TSUCHIYA	179-184
PROTECTION OF THE BEACH WITH THE OFFSHORE BREAKWATER	M. TOKUDA, T. SATO, K. MATSUMOTO	185-190
SANDY BEACH EXPANSION PROJECT OF KOBE SUMA COAST	S. WAKI, N. YAMAMOTO, H. YAMAZAKI	191-196
EFFECT OF SAND COVERING ON CLEANUP OF BOTTOM SEDIMENT IN HIROSHIMA BAY	H. KAKIGAWA, K. KIDO, N. KAWASAKI, K. MIZOBATA, S. SHIBATA	197-202
PREDICTION FOR HYDRODYNAMIC FORCES ON SILT CURTAINS AND ITS DEFORMATION IN CURRENT	T. SAWARAGI, S. AOKI	203-208
STUDIES ON SILT PROTECTING EFFECT OF DOUBLY INSTALLED HALF DEPTH SILT PROTECTOR SHEET	T. KANO, Y. HONJO, H. KAWAMOTO	209-214