BIBLIOGRAPHY OF GEODESY AND GEOPHYSICS IN KOREA(XXV)

This is the bibliographical compilation of papers in the fields of geodesy and geophysics published in the Republic of Korea during July 1996 to June 1997. Materials were mainly collected from the following publications.

Journal of the Korean Society of Geodesy, Photogrammetry, and Cartography(JKSGPC)

Journal of the Geological Society of Korea(JGSK)

Journal of the Korean Astronomical Society(JKAS)

Journal of the Korean Meteorological Society(JKMS)

Journal of the Korean Association of Hydrological Sciences(JKAHS)

Journal of the Oceanological Society of Korea(JOSK)

ASTRONOMY

La, Dail and Park, Changbom (1996): Primordial Blackhole as a Seed for the Cosmic Magnetic Field, *JKAS*, Vol. 29, No. 2, p. 83~92.

Choe, Seung-Urn, Kang, Min-Young, and Kim, Kyung-Mee (1996): Formation of Line Profile: Sei Method, *JKAS*, Vol. 29, No. 2, p. 93~106.

Lee, Youngung (1996): A Study of Lynds 1251 Dark Cloud: II. Infrared Properties, *JKAS*, Vol. 29, No. 2, p. 107~118.

Yoon, So-Yoon and Park, Myeong-Gu (1996): Statistics of Gravitational Lensing by a Galaxy in Cluster or in Field, *JKAS*, Vol. 29, No. 2, p. 119~136.

Chun, Moo-Young and Lee, See-Woo

(1996): UBV CCD Photometry of the Intermediate Age Open Cluster NGC 6716, *JKAS*, Vol. 29, No. 2, p. 137~156.

Lee, Sang-Gak (1996): Metallicity Determination for a Globular Cluster by Spectral Indices, *JKAS*, Vol. 29, No. 2, p. 157~170.

Lee, Sang-Gak, Lee, Myung Gyoon, and Kim, Eunhyeuk (1996): JK Infrared Photometry of the Globular Cluster M3, *JKAS*, Vol. 29, No. 2, p. 171~180.

Wee, Sun-Ok and Lee, Myung Gyoon (1996): Washington CCD Photometry of the Old Open Cluster NGC 1245, *JKAS*, Vol. 29, No. 2, p. 181~194.

Lee, Hyung Mok and Kim, Sungsoo (1996): Evolution of Debris of a Tidally Disrupted Star by a Massive Black Hole: Development of a Hybrid Scheme of the SPH and TVD Methods, *JKAS*, Vol. 29, No. 2, p. 195~206.

Moon, Yong-Jae, Yun, Hong Sic, Davila, J. M., and Park, Young Deuk (1996): Coronal Temperature, Density and Nonthermal Velocity Derived from Serts EUV Spectra, *JKAS*, Vol. 29, No. 2, p. 207~216.

Wang, Jialong, Zhang, Guiqing, Ma. Guanyi, and Yun, Hong Sik (1996): Sunspot Motions Associated with the 3B/X1.5 Solar Flare of 13 May 1981, *JKAS*, Vol. 29, No. 2, p. 217~222.

Kim, Sang Joon (1996): The Swings Effects of the A-X System and v''=1-0 Band of CO. *JKAS*, Vol. 29, No. 2, p. $223\sim244$.

Kim, Yong Ha, Sung, Kiyun, Kim, Sang Joon, Cochran, W. D., Lester, D. F., Trafton, L., and Clark, B. E. (1996): An Analysis of Infrared Images of Jupiter Impacted by P/SHOEMAKER-LEVY 9. *JKAS*, Vol. 29, No. 2, p. 245~254.

Ann, Hong Bae and Kim, Jeong Mi (1996): Photometry and Spectroscopt of the Spiral Galaxy NGC7678, *JKAS*, Vol. 29, No. 2, p. 255~268.

Sung, Hwankyung, Lee, See-Woo, Lee, Myung Gyoon, and Ann, Hong Bae (1996): UBV CCD Photometry of Intermediate Age Open Cluster M11 I. Statistical Analysis, *JKAS*, Vol. 29, No. 2, p. 269~278.

Lee, Sang-Gak, Bruce, W. Carney, and Robert, Probst (1997): Infrared Photometric Study of Field Population II Star, *JKAS*, Vol. 30, No. 1, p. 1~12.

Choe, Seung-Urn and Ko, Mi-Jung (1997): Comparison of Sobolev Approximation with the Exact ALI in P CYGNI Type Profile, *JKAS*, Vol. 30, No. 1, p. 13~26.

Lyo, A-Ran and Lee, Myung Gyoon (1997): The Brightest Stars in Galaxies as Distance Indicators, JKAS. Vol. 30, No. 1, p. $27 \sim 70$.

Jung, Jae Hoon, Lee, Jung Kyu, and Yoon, Tae Seog (1997): IR Characteristics of Molecular Clouds in the Region of Supershell GS234-02, *JKAS*, Vol. 30, No. 1, p. 71~82.

Park, Changbom and Kim, Ju Han (1997): Galaxy Formation in the Hubble Deep Field, *JKAS*, Vol. 30, No. 1, p. 83~94.

Oh, K. S. (1997): Velocity Distribution of Dark Matter Galactic Halo, *JKAS*, Vol. 30, No. 1, p. 95~106.

GEOLOGY

Lee, Kiehwa, Kwon, Byung-Doo, Oh, Seok-Hoon, and Kim, Cha-Seop (1996): Dipole-Dipole Resistivity Survey on the Side of Han River near Nanjido Landfill, *EEG*, Vol. 29, No. 3, p. 335~343.

Yoon, Jong-Ryeol and Lee, Kiehwa (1996): Effectiveness of the Electrode Arrays

for Delineating 2-D Subsurface Structure. *EEG*, Vol. 29, No. 3, p. 345~355.

Kim, In-Soo and Kang, Hee-Cheol (1996): Palaeomagnetism of Tertiary Basin in Southern Korea: 1. Changgi Basin, *EEG*, Vol. 29, No. 3, p. 357~367.

Son, Moon and Kim, In-Soo (1996): Palaeomagnetism of Tertiary Basin in Southern Korea: 2. Basaltic Rocks in the Central Part of Pohang Basin, *EEG*, Vol. 29, No. 3, p. 369~380.

Noh, Myung-Hyun and Kim, Yun-Joong (1996): Sensitivity Analysis of Seismic Risk Curve of Korea, *JGSK*, Vol. 32, No. 3, p. 199~207.

Han, Uk and Keehm, Youngseuk (1996): A Study of the Heat Flow Distribution in the Korean Peninsula and Its Vicinity, *JGSK*, Vol. 32, No. 3, p. 267~275.

Park. Chan-Hong, Kim, Han-Joon, Yang. Chul-Soo, Suk. Bong-Chool, and Isezaki, Nobuhiro (1996): Crustal Structure of the Ulleung Basin, the East Sea (Japan Sea). from Gravity and Ocean Bottom Seismometer Data, *JGSK*, Vol. 32, No. 3, p. 276~290.

Baag. Czango (1996): Archeomagnetic Study of White Porcelain Kiln, Mireog-ri, Jungweon-gun, Chungbug and Bauer Plot from 7 Kilns in South Korea, *JGSK*, Vol. 32, No. 3, p. 313~323.

Son, Moon, Kang, Hee-Cheol, and Kim,

In-Soo (1996): Palaeomagnetism of Tertiary Basins in Southern Korea: 3. Chongjalsan Basins and its Vicinities, *EEG*, Vol. 29, No. 4, p. 509~522.

Kim, Kyungsik and Kong, Young-Sae (1996): Studies on Random Fractal and Multifractal Structures in Korean Topography. *EEG*, Vol. 29, No. 4, p. 523~528.

Choi, Kwang-Sun and Shin, Young-Hong (1996): Isostasy in and around the Korean Peninsula by Analysing Gravity and Topography Data, *JGSK*, Vol. 32, No. 5, p. $407 \sim 420$.

Shin, Hyunjun, Lee, Younghoon, Min, Kyungduck, Won, Joongsun, and Kim, Younjong (1996): Analysis of Slope Stability by Using Remote Sensing and GIS around Chungju Area. *EEG*, Vol. 29, No. 5, p. 615~622.

Cho, Jin-Dong, Jung, Hyun-Key, Chung, Seung-Hwan, and Kim, Jung-Ho (1996): The SP/VLF, Methodology to Confirm the Seawater Seepage Zone of the Embankment, *EEG*, Vol. 29, No. 5, p. 623~627.

Yang, Dong-Woo, Yang, Seung-Jin, and Jang, Seong-Hyeong (1996): A Study on Inversion of Seismic Normal Reflection Data, *EEG*, Vol. 29, No. 5, p. 629~637.

Shon, Howoong (1996): 3-D * Seismic Profiling, *EEG*, Vol. 29, No. 6, p. 739~744.

Shon, Howoong (1996): Application of Ground Penetrating Radar for Archaeological Monuments, *EEG*, Vol. 29, No. 6, p. 745~752.

Kang, Hee-Choel, Kim, In-Soo, Son, Moon, and Jung, Hyun-Jung (1996): Palaeomagnetic Study of Sedimentary and Igneous Rocks in the Yangsan Strike-slip Fault Area, SE Korea, *EEG*, Vol. 29, No. 6, p. 753~765.

Kim, Ki-Young, Hong, Jong-Kuk, and Lee, Kiehwa (1996): Determination of Fracture Parameters from Surface Seismic Data, *JGSK*, Vol. 32, No. 6 & 8, p. 459~467.

Kim, Ki-Young, Nam, Sang-Heon, and Park, Byong-Kwon (1996): Gas Hydrates and their Reflection Characteristics, *JGSK*, Vol. 32, No. 7, p. 519~525.

Lee, Kiehwa and Lee, Junhee (1997): Geoelectric Study on the Probable Seismic Segment Boundaries of Yangsan Fault Zone, GJ, Vol. 1, No. 1, p. 16~25.

Jin, Young-Keun, Kim, Yeadong, Nam, Sang-Heon, Lee, Duk-Kee, and Lee, Kiehwa (1997): Gravity Models for the South Shetland Trench and the Shackleton Fracture Zone, Antarctica, GJ, Vol. 1, No. 2, p. 89~98.

Hwang, Hak-Soo (1997): Application of Geophysical Methods to Detection of a Preferred Groundwater Flow Channel at a Pyrite Tailings Dam, *EEG*, Vol. 30, No. 2, p. 137~142.

Kim, Ki-Young and Kim, Heon-Gyu (1997): Seismic Velocities and Elastic Moduli of Sedimentary Layers in the Pungam Basin, *JGSK*, Vol. 33, No. 2, p. 111~116.

Kim, Yeong-Hwa, Jang, Bo-An, Kim, Jae-Dong, Rhee, Chan-Goo, and Moon, Byeung-Kwan (1997): P Wave Velocity Variation of the Pochon Granite due to the Cyclic Loadings, *EEG*, Vol. 30, No. 3, p. 231~240.

Won, Jong-Suck and Lee, Young-Hoon (1997): Analysis of Slope Stability by Using Remote Sensing and GIS in Ichon Basin, *EEG*, Vol. 30, No. 3, p. 241~248.

GEOPHYSICS

Suk, Bong-Chool, Anosov, G. I., Semakin, V. P., and Svarichevsky, A. S. (1996): Bathymetry and Morphotectonic Elements in the Ulleung Basin, East Sea of Korea, *KJGR*, Vol. 24, No. 1, p. 1~10.

Lee, Dae-Young (1996): A Linear Theory of MHD Stability in the Geomagnetotail, *KJGR*, Vol. 24, No. 1, p. 11~18.

Cho, Hi-Ku, Kim, Joon, and Chung, Sung-Rae (1996): Stratospheric Ozone Observations in Korea, *KJGR*, Vol. 24, No. 1, p. 19~28.

Choi, Hyo (1996): Diurnal Variation of Atmospheric Pollutant Concentrations Affected by Development of Windstorms along the Lee Side of Coastal Mountain Area, *KJGR*, Vol. 24, No. 1, p. 29~45.

HYDROLOGY

Rim, Chang-Soo (1996): Comparison of Daily Soil Water Contents between Energy Balance-Water Budget Approach and TDR, MKWRA, Vol. 29, No. 4, p. 119~130.

Kim, Joong-Hoon, Yoon, Yong-Nam, Ahn, Jae-Hyun, and Kim, Jeong-Hwan (1996): A Study of Optimal Operation of Sewage Treatment Plants Using NLP, MKWRA, Vol. 29, No. 4, p. 131~138.

Ahn, Sang-Jin and Kwon, Pong-Hee (1996): Determination of Design-width for Medium Rivers of Central Area in Korea, MKWRA, Vol. 29, No. 4, p. 139~148.

Lee, Jong-Kyu and Lee, Chang-Hae (1996): A Study on the Introduction of Fuzzy Theory to the Adjustment of Timevariant Parameter of Storage Function Method, MKWRA, Vol. 29, No. 4, p. 149~160.

Kim, Kyu-Ho, Lee, Jin-Won, Hong, Il-Pyo, and Woo, Hyoseop (1996): Development of a Method for Determining the Instream Flow and Its Application: 1. Estimation Method, MKWRA, Vol. 29, No. 4, p. 161~176.

Jun, Kyung-Soo (1996): A Numerical Method for Dispersion of Unsteady Horizontal Line Source in Turbulent Shear Flow, MKWRA, Vol. 29, No. 4, p. 187~198.

Kim, Sang-Hyun and Han, Kun-Yeun (1996): Calculation of Watershed Topographic Index with Geographic Information System. *MKWRA*, Vol. 29, No. 4, p. 199~208.

Kang, In-Shik (1996): Comparison of Runoff Methods for Small River Basins, MKWRA, Vol. 29, No. 4, p. 209~222.

Son, Kwang-Ik (1996): Predicting Flow Resistance Coefficients in Water Supply Mains, *MKWRA*, Vol. 29, No. 4, p. 223~232.

Park, Bong-Jin, Lee, Hwan-Ki, and Jung, Kwan-Sue (1996): Unsteady Flow Analysis by the Looped Network Channel Model, MKWRA, Vol. 29, No. 5, p. 129~138.

Kim, Jin-Soo (1996): Effect of Change of Numerical Parameters on Outflow Characteristics in the Linear Muskingum-Cunge Method, MKWRA, Vol. 29, No. 5, p. 139~150.

Yoo, Ju-Hwan, Kwon, Oh-Hun, and Ko, Jae-Ung (1996): Development and Analysis of Stage-Damage Curves for the Kum River Basin, *MKWRA*, Vol. 29, No. 5, p. 151~160.

Yoo, Dong-Hoon, Wun, Yoo-Seung, and Yoon, Kye-Sup (1996): Pipe Network Analysis According to Friction Factor of Commercial Pipe, MKWRA, Vol. 29, No. 5, p. 161~172.

Lee, Jin-Hee, Kim, Kyung-Tak, and Shim, Myung-Pil (1996): Finite Volume Method for Two-Dimensional Unsteady Flow in Open Channel. *MKWRA*, Vol. 29. No. 5, p. 173~184.

Shin, Sha-Chul (1996): Estimation of Water Balance Based on Satellite Data in the Korean Peninsula, *MKWRA*, Vol. 29, No. 5, p. 203~214.

Seong, Kwanjae (1996): A Study on Logconductivity-Head Cross Covariance in Two-Dimensional Nonstationary Porous Formations, *MKWRA*, Vol. 29, No. 5, p. 215~222.

Kim, Tai-Cheol, Park, Seong-Ki, and Ahn, Byoung-Gi (1996): Daily Streamflow Model for the Korean Watersheds, *MKWRA*, Vol. 29, No. 5, p. 223~234.

Kim, Kyung-Sub (1996): Analysis of Stratified Lake Using an Eddy Diffusion and a Mixed-Layer Models, *MKWRA*, Vol. 29. No. 5, p. 235~244.

Shin, Sha-Chul (1996): Runoff Analysis Using a Distributed Rainfall-Runoff Model, *MKWRA*, Vol. 29, No. 6, p. 131~140.

Park, Byung-Soo, Kim, Kyung-Mi, Song, Woo-Young, Jang, Dong-Soon, and Kwon, Oh-Hun (1996): Development and Application of a Computer Program for the Analysis of Heat Transfer and Fluid Flow of Water Body: Lake and Primary Clarifier, MKWRA, Vol. 29, No. 6, p. 141~154.

Han, Kun-Yeun, Park, Jae-Hong, and Lee, Jong-Tae (1996): Finite Element Analysis of Gradually and Rapidly Varied Unsteady Flow in Open Channel: 1. Theory and Stability Analysis, *MKWRA*, Vol. 29, No. 6, p. 155~166.

Kim, Hung-Soo and Yoon, Yong-Nam (1996): Drought Monitoring with Indexed Sequential Modeling, *MKWRA*, Vol. 29, No. 6, p. 167~178.

Kim, Ju-Hwan, Park, Chan-Young, and Kang, Kwan-Won (1996): Markov Chain Model for Synthetic Generation by Classification of Daily Precipitation Amount into Multi-State, *MKWRA*, Vol. 29, No. 6, p. 179~188.

Min, Byung-Hyung, Lee, Young-Dae, Seo, Jin-Ho, and Min, Ill-Kyu (1996): Rainfall-Runoff Analysis by Calculation of the Time Distribution Models for Storms. *MKWRA*, Vol. 29, No. 6, p. 189~202.

Kim, Sang-Hyun, Son, Kwang-Ik, and Han, Kun-Yeun (1996): Hydrologic Modeling of an Agricultural Watershed with Tile Drains and GIS, MKWRA, Vol. 29, No. 6, p. 203~216.

Park, Jae-Hong, Kim, Sang-Hyun, and Han, Kun-Yeun (1996): Determination Algorithm of Hydraulic Parameters in Water Distribution System, MKWRA, Vol. 29, No. 6, p. 217~224.

Shim, Soon-Bo, Park, No-Hyuk, Kim, Sun-Koo, Kim, Koo-Hun, and Koh, Deuk-Koo (1996): Comparison of the Rainfall-Runoff Models for Flood Forecasting in Watershed, MKWRA, Vol. 29, No. 6, p. 237~247.

Park, Nam-Sik (1996): Effects of Hydraulic Variables on the Formation of Freshwater-Saltwater Transition Zones in Aquifers, *KJH*, Vol. 7, p. 1~8.

Bae, Sang-Keun (1996): Groundwater Fluxes in a Watershed with a Lake, KJH, Vol. 7, p. $9\sim20$.

Lee, Jung-Sik, Lee, Jae-Joon, Kim, Kyu-Ho, and Oh, Suk-Ho (1996): A Study on the Hydrologic Design of Detention Storage Ponds in Urbanized Area, *KJH*, Vol. 7, p. 21~36.

Ko, Seok-Ku and Shin, Yong-Lo (1996): Hydrological Stability Analysis of the Existing Soyanggang Multipurpose Dam, *KJH*, Vol. 7, p. 37~50.

Han, Keun-Yeon and Kim, Sang-Hyun (1996): A Stochastic Model for the Prediction of Water Quality Variation in a River System, *KJH*, Vol. 7, p. 51~60.

Lee, Kil-Seong and Lee, Beum-Hee (1996): Optimal Design of Detention System Using Incremental Dynamic Programming, *KJH*, Vol. 7, p. 61~76.

Lee, Jae-Soo, Yoon, Yong-Nam, and Kim, Joong-Hoon (1996): An Analysis of Attenuation Effect of Pressure Head Using an Air Chamber, *KJH*, Vol. 7, p. 77~86.

Yoo, Dong-Hoon (1996): Explicit Design of Uniformly Rough Pipe, *KJH*, Vol. 7, p. 107~124.

Bae, Deg-Hyo, Georgakakos, K. P., and Rajagopal, R. (1996): Rainfall Estimation for Hydrologic Applications, *KJH*, Vol. 7, p. 125~138.

Kim, Won (1997): Introduction to FLDWAVA Model, MKWRA, Vol. 30, No. 1, p. 97~100.

Park, Jong-Kwan (1997): Introduction to Fluvial Geomorphology(II), MKWRA, Vol. 30, No. 1, p. 101~108.

Ko, Seok-Ku (1997): Drought and Its Countermeasures in Nakdong River Basin, MKWRA, Vol. 30, No. 2, p. 7~11.

Chun, Moo-Kap and Jee, Hong-Kee (1997): Flow Routing in Prismatic Symmetrical Compound Channels by Applications of the Appartent Shear Force(ASF), KJH, Vol. 8, p. 41~56.

Rim, Chang-Soo (1997): Comparison of Daily Soil Water Contents Obtained by Energy Balance-Water Budget Approach and TDR, *KJH*, Vol. 8, p. 57~68.

Kim, Sang-Hyun and Han, Kun-Yeun (1997): Calculation of Topographic Index with Geographic Information System, *KJH*, Vol. 8, p. 85~96.

METEOROLOGY

Kang, In-Sik and Jeong, Young-Kun (1997): Association of Interannual Variations of Temperature and Precipitation in Seoul with Principal Modes of Pacific SST, *JKMS*, Vol. 32, No. 3, p. 339~345.

Bang, Young-Soo, Lee, Dong-In, Kim, Kyung-Eak, Min, Kyung-Duck, and Moon, Young-Soo (1996): Analysis of Cooling Rates and Wind Fields in the Tropical Stratiform Clouds by a Doppler Radar, *JKMS*, Vol. 32, No. 3, p. 347~361.

Ahn, Joong-Bae and Park, Hyei-Sun (1996): Application of Continuous Dynamic Grid Adaption(CDGA) to Heat-Induced Tropical Circulation with Latent Heat Release, *JKMS*, Vol. 32, No. 3, p. 363~372.

Yoo, Jung-Moon (1996): Atmospheric Motion Derived from Satellite Data in the Tropical Oceans: Vertical Velocity Associated with Hydrometeors, *JKMS*, Vol. 32, No. 3, p. 373~387.

Ahn, Joong-Bae and Ryu, Jung-Hee (1996): Atmospheric Responses to the Equatorial SST Anomalies Over the Tropical Pacific Using OSU 20-layer Model, *JKMS*, Vol. 32, No. 3, p. 389~399.

Ryu, Jung-Hee and Ahn, Joong-Bae (1996): On the Response of AGCM to a Horizontally Fine Resolution, *JKMS*, Vol. 32, No. 3, p. 401~410.

Lee, Dong-Kyou, Koo, Seong-Joon, and Ahn, Young-In (1996): Extended Range Forecast Experiments of Changma over the Korean Peninsula and the East Asian Summer Monsoon in 1985, *JKMS*, Vol. 32, No. 3, p. 411~434.

Joh, Min-Su and Kim, Jeong-Woo (1996): GCM Simulation of Precipitation

and OLR in Relation to the Asian Monsoon. *JKMS*, Vol. 32, No. 3, p. 435~454.

Byun, Hi-Ryong (1996): On the Atmospheric Circulation Caused the Drought in Korea, *JKMS*, Vol. 32, No. 3, p. 455~469.

Oh, Jai-Ho (1996): Radiative Transfer Model for Climate Studies: 2. Longwave Radiation Parameterization for a Clear Sky, *JKMS*, Vol. 32, No. 3, p. 471~484.

Lee, Mi-Seon, Sohn, Seung-Hee, Kim, Dong-Ho, and Suh, Ae-Sook (1996): Forecasting of Typhoon Motion Using Water Vapor Images, *JKMS*, Vol. 32, No. 3, p. 485~494.

Lim, Gyu-Ho and Lee, Jeong-Hwon (1996): The Movement of Precipitation Area Defined in the Combined Field of Radar Echoes and Station Precipitation Rates, *JKMS*, Vol. 32, No. 4, p. 495~510.

Seo, Kyong-Hwan and Lee, Dong-Kyou (1996): Analysis and Simulation of Orographic Rain in the Middle Part of the Korean Peninsula, *JKMS*, Vol. 32, No. 4, p. 511~533.

Yun, W.-T., Oh, J.-H., Kwon, W.-T., and Rha, D.-K. (1996): Changes of Global-Scale Westward Propagating Transient Wave Caused by Increasing Greenhouse Gases, *JKMS*, Vol. 32. No. 4, p. 535~543.

Hong, Jung-Hye, Kim, Yoo-Keun, and Lee, Hwa-Weon (1996): An Application of Spectral Method for Advection and Diffusion

of Air Pollutant, *JKMS*, Vol. 32, No. 4, p. $545 \sim 552$.

Park, Soon-Ung and Kim, Cheol-Hee (1996): SO_2 Concentrations Simulation in the Kyongin Region, *JKMS*, Vol. 32, No. 4, p. $553\sim568$.

Jung, Soon-Hwa, Nakajima, Teruyuki, and Tanaka, Masayuki (1996): Direct Solar and Circumsolar Radiations in an Inhomogeneous Atmosphere-Numerical Simulation for Evaluating the Effects of the Atmospheric Components to the Solar Observations of the Smithsonian Institution, *JKMS*, Vol. 32, No. 4, p. 569~580.

Chun, Hye-Yeong, Jung, Jun-Hee, Oh, Jae-Ho, and Kim, Jeong-Woo (1996): Effects of Mountain-Induced Gravity Wave Drag on Atmospheric General Circulation, *JKMS*, Vol. 32, No. 4, p. 581~592.

Kim. Yong-Sang and Hong. Sung-Gil (1996): A Study of Quasi-foehn in the Youngdong-district in Late Spring or Early Summer. *JKMS*, Vol. 32, No. 4, p. 593~600.

Choi. Wookap and Lee. Hyunah (1996): Equatorial Circulation in the Lower Stratosphere Associated with the Quasibiennial Oscillation, *JKMS*, Vol. 32, No. 4, p. 601~617.

Han, Ji-Won and Sohn. Byung-Ju (1996): Climate Characteristics of the East Asian Monsoon Related to Heat Budget, *JKMS*, Vol. 32, No. 4, p. 619~633.

Ha, Kyung-Ja, Moon, Ja-Yeon, Kim, Jeong-Woo, Chung, Il-Ung, Oh, Jai-Ho, and Um, Hyang-Hee (1997): The Characteristics of the Intraseasonal and Interannual Variations of OLR and Precipitation Simulated by YONU GCM Tr.7, JKMS, Vol. 33, No. 1, p. 1~15.

Lee, Dong-Kyou and Kim, Young-Ah (1997): Springtime Weather Types over Northeast Asia and Relationship with Yellow Sand Events during 1980-1989. *JKMS*, Vol. 33, No. 1, p. 1~15.

Byun, Hi-Ryong, Lee, Dong-Kyou, and Lee, Hwa-Woon (1997): Analysis on the Characteristics and Predictability of the Marine Fog over and near the East Sea, *JKMS*, Vol. 33, No. 1, p. 1~15.

Lim, Gyu-Ho (1997): The Linear Relationship between Monthly Precipitation Amounts of Korea and Time Variation of the Geopotential Heights in East Asia and the Pacific During the Summer Seasons. *JKMS*, Vol. 33, No. 1, p. 1~15.

Shin, Dong-Hyun and Lee, Tae-Young (1997): Turbulence Structure of the Stratocumulus-topped Marine Boundary Layer Revealed by Largy Eddy Simulations, *JKMS*, Vol. 33, No. 1, p. 1~15.

Yoo, Jung-Moon and Lee. Ji-Hyun (1997): Cirrus Clouds in the Atmospheric Radiation Budget: The Simulation and Optical Features of Cirrus in the Tropical Oceans, *JKMS*, Vol. 33, No. 1, p. 1~15.

Song, Chang G., Lee, Kwang M., Lee, Sang D., Nahm, Soo J., Lee, Dong K., Lewis, John M., and Robert, Jones (1997): The Parallelization of Adjoint Data Assimilation Method for the Barotropic Tropical Cyclone Track Forecast Model, *JKMS*, Vol. 33, No. 1, p. 1~15.

Um, Hyang-Hee, Ha, Kyung-Ja, and Moon, Sung-Euii (1997): The Urban Effect on the Change of Relative Humidity in Seoul, *JKMS*, Vol. 33, No. 1, p. 1~15.

Kim, Hae-Gu, Min, Kyung-Duck, Kim, Kyung-Eack, and Lee, Kwang-Mog (1997): Summer Extraordinary Low Temperature in Korea and its Relation to the Characteristics of Atmospheric Circulations over Northern Hemisphere. Part I: Onset of the Summer Extraordinary Low Temperature and its Synoptic Aspects, JKMS, Vol. 33, No. 1, p. 1~15.

Kim, Hae-Gu, Min, Kyung-Duck, Kim, Kyung-Eack, and Lee, Kwang-Mog (1997): Summer Extraordinary Low Temperature in Korea and its Relation to the Characteristics of Atmospheric Circulations over Northern Hemisphere. Part II: Structures and Characteristics of the Atmospheric Circulation, *JKMS*, Vol. 33, No. 1, p. 1~15.

Chung. Kwan-Young and Park. Soon-Ung (1997): Numerical Simulations of Yellow Sand Events Observed in Korea: I. An Aerosol Modeling and Preliminary Results. *JKMS*, Vol. 33, No. 1, p. 1~15.

Chung, Kwan-Young and Park, Soon-

Ung (1997): Numerical Simulations of Yellow Sand Events Observed in Korea: II. Characteristic Features of Uplift and Transport of Yellow Sand, *JKMS*, Vol. 33, No. 1, p. 1~15.

Lee, Dong-In, Kim, Kyung-Eak, Min, Kyung-Duck, Yoon, Ill-Hee, and Moon, Young-Soo (1997): On the Fluctuations of Atmospheric Aerosol Particles in Winter Monsoon Near the Seashore, *JKMS*, Vol. 33, No. 1, p. 1~15.

Choi, Hyo and Chai, Jong-Duck (1997):

A Study on Particular Meteorological Phenomena in Each Month at Kangnung City, *JKMS*, Vol. 33, No. 1, p. 1~15.

Cheong. Hyeong-Bin, Kim, Young-Seup, and Han, Young-Ho (1997): Fourier and Wavelet Analysis of Long-term Surface Wind Observed at Coastal Areas. *JKMS*. Vol. 33, No. 1, p. 1~15.

Jeong, Eun-Joo, Kim, Yong-Joon, and Yoon, Soon-Chang (1997): A Study on the Interactions between Two Cyclonic Vortices, *JKMS*, Vol. 33, No. 1, p. 1~15.

Kim, Maeng-Ki and Kang, In-Sik (1997): The Statistical Connection between Large and Regional Scale Climate Variables: Sea Level Pressure Pattern Associated with the Warming Trend in Korea, JKMS, Vol. 33, No. 1, p. 1~15.

Kim, Si-Wan, Park, Soon-Ung, and Lee, Boram (1997): Variations of SO₂, NO_x, CO and O₃, Concentrations in Association with

Synoptic Meteorological Conditions, JKMS, Vol. 33, No. 1, p. 1~15.

Joh, Min-Su, Oh, Sung-Nam, and Kim, Jeong-Woo (1997): Evaluation of Water Vapor Distribution in General Circulation Model, *JKMS*, Vol. 33, No. 1, p. 1~15.

Ha. So-Young, Lim. Gyu-Ho, and Kwon, Hyeok-Joe (1997): The Interrelationships between the Atmospheric Variations of the East-Asia Jet Stream and Tropical Convections during the Northern Hemosphere Wintertime, *JKMS*, Vol. 33, No. 1, p. 1~15.

Lee, Ji-Yeon. Lee. Dong-In, Han, Young-Ho, and Ok. Gon (1997): Vertical Distribution of O₃ and NO₂ Concentrations in the Atmospheric Boundary Layer During Temperature Inversion, *JKMS*, Vol. 33, No. 1, p. 1~15.

Ryu, Jung-Hee, Cho, Eek-Hyun, Park, Joo-Young, and Ryoo, Sang-Boom (1997): A Study of Correlations between Airtemperature and Precipitation of Korea and SST around Korean Peninsula, *JKMS*, Vol. 33, No. 1, p. 1~15.

Kim, Hae-Dong (1997): Numerical Experiment on the Sea-fog Formation at the East Coast of Korean Peninsula in Early Summer, *JKMS*, Vol. 33, No. 1, p. 1~15.

Choi. Sung-Sik. Moon. Sung-Euii. and Ha. Chang-Hwan (1997): Climatological Characteristics of the Nopsae Wind. *JKMS*, Vol. 33, No. 1, p. 1~15.

Lee, Dong-Kyou and Chang, Dong-Eon (1997): Sensitivity of Cyclone Development to Initial Data Using an Adjoint Model, *JKMS*, Vol. 33, No. 1, p. 1~15.

Jhun, Jong-Ghap (1997): A Diagnosis on the Air Pollution Potential Using the Surface Meteorological Data in South Korea, *JKMS*, Vol. 33, No. 1, p. 1~15.

Kwon, Hyeok-Joe, Shin, Kyung-Sup, and Han, Sang-Ok (1997): The Analysis of Vorticity and Kinetic Energy Budget of Typhoon with the Use of TCM-90 Data: Steering Current Thinking. *JKMS*, Vol. 33, No. 1, p. 1~15.

OCEANOGRAPHY

Han, Sang-Kyu, Na, Jung-Yul, and Lee, Jae-Hak (1996): Numerical Experiments of Ocean Acoustic Tomography in the East Sea of Korea, *JOSK*, Vol. 31, No. 2, p. 64~74.

Lee, Hyong-Sun (1996): The Analytic and Numerical Solutions of the $1\frac{1}{2}$ -layer and 2 $\frac{1}{2}$ -layer Models to the Strong Offshore Winds, JOSK, Vol. 31, No. 2, p. $75 \sim 88$.

Shin, Chang-Woong, Byun, Sang-Kyung, and Kim, Cheolsoo (1996): Comparison between Geostrophic Currents and Measured Currents in the Southwestern Part of the East Sea, *JOSK*, Vol. 31, No. 2, p. 89~96.

Hong. Chul-Hoon (1996): Sea Level Response in the Korea Strait to Typhoon. *JOSK*, Vol. 31, No. 3, p. 107~116.

Lakshmi, H, Kantha, Bang, Inkwon, Choi, Jei-Kook, and Suk, Moon-sik (1996): Shallow Water Tides in the Seas around Korea, *JOSK*, Vol. 31, No. 3, p. 123 ~133.

Chang, Jin-Ho, Park, Yong-Ahn, and Han, Sang-Jun (1996): Late Quaternary Stratigraphy and Sea-level Change in the Tidal Flat of Gomso Bay, West Coast of Korea, *The Sea*, Vol. 1, No. 2, p. 59~72.

Kim. Kuh. Kim. Kyung-Ryul, Kim. Cho. Young-Gyu. Yang-Ki. Chung. Choi, Jong-Yul. Byung-Ho. Byun. Sang-Kyung, Hong, Ki-Hoon, Masaki, Takematsu, Yoon, Jong-Hwan, Volkov, Yuri, and Danchenkov, Mikhail (1996): New Findings from CREAMS Observations : Water Masses and Eddies in the East Sea, JOSK, Vol. 31, No. 4, p. 155~163.

Lie, Heung-Jae and Cho, Cheol-Ho (1997): Surface Current Fields in the Eastern East China Sea, *JOSK*, Vol. 32, No. 1, p. 1~7.

Seung, Young-Ho (1997): Application of

the Ventilation Theory to the East Sea. *JOSK*, Vol. 32, No. 1, p. 8~16.

Seung. Young-Ho and Kim, Kuk-Jin (1997): Estimation of the Residence Time for Renewal of the East Sea Intermediate Water Using MICOM, *JOSK*, Vol. 32, No. 1, p. 17~27.

Choi, Dong-Lim, Oh, Jae-Kyung, Lee, Chi-Won, and Woo, Han-Jun (1997): High-Resolution Seismic Characteristics of the Holocene Mud Deposits in the Southeast Innershelf, Korea, *The Sea*, Vol. 2, No. 1, p. 8~13.

Kim, Dong-seon, Park, Byong-Kwon, and Yoon Ho-Il (1997): Vertical Distribution of Biogenic Elements and its Implication on Holocene Paleoclimatic Records in the Maxwell Bay of the South Shetland Islands, West Antarctica, JOSK, Vol. 32, No. 2, p. 69~74.

Lee, Jong-Chan and Jung, Kyung-Tae (1997): On the Length Scale and the Wall Proximity Function in the Mellor-Yamada Level 2.5 Turbulence Closure Model for Homogeneous Flows, *JOSK*, Vol. 32, No. 2, p. 75~84.