

C O N T E N T S

On Emissivity of Reference Source of IR Radiometer for Remote Sensing	
..... Tohru Takagi, Matsunaga Matsui and Masahiro Miyatake	1
New Methods of Radiation Thermometry of Translucent Bodies.....	
..... Matsunaga Matsui, Shigeyoshi Tamashige and Tohru Takagi	8
Particle Buildup Effect on Performance in Parallel Stream Type HGMS Filter	
..... Shuntaro Kurinobu and Susumu Uchiyama	14
An Apparatus for Drawing Cross Sectional Form of an Object from Contour Moire Fringes	
..... Akira Hattori, Shuji Hoshika	23
A Hydrologic Cycle Model in the Basin of Lake Biwa and Its State Estimation	
..... Hikaru Shimizu and Suguru Arimoto	31
Possible Improvements of the Lowry-Type Activity Allocation Model	
..... Katsunao Kondo, Eiji Kometani	41
Ultimate Strength of Beams With Holes in High Shear.....	
..... Minoru Uenoya	54
Physico-Chemical Prediction and Correction of Landslide.....	
..... Takemitsu Tomita	72
Design Process & Synthesis	
..... Okinori Taniguchi	83
Systems Engineering Approach on the Cost of Data Processing for Administrative business	
..... Masayuki Takebe	90
Re-Interpretation of Present Pattern Method Through Optimising Techniques	
..... Katsunao Kondo	99
An Study on the Bernini's theoretical concept on art and architecture	
..... Shizuo Matsumoto	113
Study on the brittle fracture of steel structures	
..... Akio Nakayama	123