

## CONTENTS OF VOLUME VI.

---

	PAGE.
<b>Jôyô Kanitani</b> ,—On the Projective Deformation of Curved Surfaces, I. . . . .	1
—, —, —On the Projective Deformation of Curved Surfaces, II. . . . .	29
<b>Shigeru Komatsu</b> and <b>Shinichiro Kumamoto</b> ,—On the Synthesis of the Phosphoric Acid Esters, I. . . . .	45
<b>Yukichi Osaka</b> and <b>Ryohei Yoshida</b> ,—On the System: Sodium Sulphate-Sodium Chromate-Water, II. . . . .	49
<b>Shigeru Komatsu</b> , <b>Kitaro Fujii</b> , <b>Shozo Yamaguchi</b> and <b>Risaburo Nakai</b> ,—Studies on Camphor Series, II. . . . .	55
<b>Ryozaburo Nodzu</b> and <b>Shigeru Komatsu</b> ,—Reaction between Aniline and Chloracetic Acid, I. . . . .	73
<b>Jôyô Kanitani</b> ,—On the Projective Deformation of Curved Surface, III. . . . .	77
<b>Hidetoshi Kashiwagi</b> ,—Oriented Circles in Non-Euclidean Space, III. . . . .	97
<b>Ryô Yasuda</b> ,—On Transcendental Integral and Transcendental Algebraic Functions and Algebraic Addition Theorems. I. .	121
<b>Bokurô Nakaseko</b> ,—On the Analysis of Calcium Phosphate. .	157
<b>Shuichi Hayashi</b> ,—On Mechanical Devices of Demonstration of Vibrations of String and Spring. . . . .	165
—, —, —Demonstration of Steady Flow of Fluid. . . . .	171
<b>Shigeru Komatsu</b> and <b>Umesaburo Takimoto</b> ,—Picrates of some Tertiary Animes. Reply to Professor B. K. Singh. . . . .	173
<b>Shigeru Komatsu</b> and <b>Ryuzaburo Nozu</b> ,—Studies on Catalytic Action, I. Catalytic Reduction of $\alpha$ -Naphthol and $\alpha$ -Naphthylamine. . . . .	177
<b>Shigeru Komatsu</b> , <b>Hisashi Nakamura</b> and <b>Masao Kurata</b> ,—Studies on Catalytic Action, II. Catalytic Preparation of para-Cymene and its Formation in Sulphite Terpentine. .	183

	PAGE
<b>Toshizô Matsumoto</b> ,—On the Principle of the Light-Velocity. . .	187
<b>Jôyô Kanitani</b> ,—Projective Differential Geometry of Nondevelopable Surfaces, I. . . . .	121
<b>Hidetoshi Kashiwagi</b> ,—On the Curvature of a Curve in $n$ -Dimensional Non-Euclidean Space. . . . .	221
<b>Shigeru Komatsu</b> and <b>Shozo Yamaguchi</b> ,—Studies on Camphor Series, III. Catalytic Action of Reduced Copper on dextro-Camphoroxime. . . . .	245
<b>Ryô Yasuda</b> ,—On Transcendental Integral and Transcendental Algebraic Functions and Algebraic Addition Theorem, II. .	251
—, —. —On Characteristic Equations of Analytic Function of Many Independent Variables. . . . .	289
<b>Hisashi Nakamura</b> ,—On the Chemistry of Japanese Plants, I. The Proximate Composition of Karafuto Wood. . . . .	295
<b>Kashichi Ono</b> ,—The Reaction between $\alpha$ -Pinene and Acids, I. $\alpha$ -Pinene and Sulphuric Acid. . . . .	305
<b>Issei Yamamoto</b> ,—Simultaneous Observations of Latitude Variation with Special Arrangements for the Investigation of Atmospheric Refraction Effects at Mizusawa. . . . .	312

---

## INDEX OF AUTHORS TO VOLUME VI.

---

	PAGE
Fujii, K.,—see Komatsu, S.	
Hayashi, S.,—On Mechanical Demonstration of Vibrations of String and Spring.	165
—, —, —Demonstration of Steady Flow of Fluid. . . . .	171
Kanitani, J.,—On the Projective Deformation of Curved Surface, I. . . . .	1
—, —, —On the Projective Deformation of Curved Surface, II. . . . .	29
—, —, —the same. III . . . . .	77
—, —, —Projective Differential Geometry of Nondevelopable Surfaces, I. . .	221
Kashiwagi, H., Oriented Circles in Non-Euclidean Space, III. . . . .	97
—, —, —On the Curvature of a Curve in $n$ -Dimensional Non-Euclidean Space.	221
Komatsu, S., and Kumamoto, S., —On the Synthesis of the Phosphoric Acid Esters, I. . . . .	45
—, —, Fujii, K., Nakai, R., and Yamaguchi, S.,—Studies on Camphor Series, II.	55
—, —, —see Nodzu, R.	
—, —, and Takimoto, U.,—Picrates of some Tertiary Amines. Reply to Professor B. K. Singh. . . . .	173
—, —, and Nodzu, R.,—Studies on Catalytic Action, I. Catalytic Reduction of $\alpha$ -Naphthol and $\alpha$ -Naphthylamine. . . . .	177
—, —, Nakamura, H., and Kurata, M., —Studies on Catalytic Action, II. Catalytic Preparation of para-Cymene and its Formation in Sulphite Terpine. . . . .	183
—, —, and Yamaguchi, S.,—Studies on Camphor Series, III. Catalytic Action of Reduced Copper or dextro-Camphoroxime. . . . .	245
Kumamoto, S.,—see Komatsu, S.	
Kurata, M.,—see Komatsu, S.	
Matsumoto, T.,—On the Principle of the Light-Velocity. . . . .	187
Nakai, R.—see Komatsu, S.	
Nakamura, H.,—see Komatsu, S.	
—, —, —On the Chemistry of Japanese Plants, I. The Proximate Composition of Karafuto Wood. . . . .	295
Nakaseko, R.,—On the Analysis of Calcium Phosphate. . . . .	157
Nodzu, R., and Komatsu, S.,—Reaction between Aniline and Chloracetic Acids. I.	73
—, R.,—see Komatsu, S.	
Ono, K.,—The Reaction between $\alpha$ -Pinene and Acids, I. $\alpha$ -Pinene and Sulphuric Acid. . . . .	305
Osaka, Y., and Yoshida, R.,—On the System: Sodium Sulphate—Sodium Chromate—Water, II. . . . .	49
Takimoto, U.,—see Komatsu, S.	



## INDEX OF SUBJECTS TO VOLUME VI.

---

	PAGE.
Acidimetry of Calcium Phosphate, ( <i>Nakaseko</i> ) .. . . . .	160
Algebraic Addition Theorems for Analytic Functions of Many Independent Variables, ( <i>Yasuda</i> ) .. . . . .	251
Algebraic Function and Algebraic Addition Theorem, On Transcendental Integral, I. ( <i>Yasuda</i> ) .. . . . .	121
— II. ( <i>Yasuda</i> ) .. . . . .	251
Alkalimetry of Calcium Phosphate, ( <i>Nakaseko</i> ) .. . . . .	161
Analytic Function of Many Independent Variables, On Characteristic Equations of, ( <i>Yasuda</i> ) .. . . . .	289
Analytic Functions of Many Independent Variables, Algebraic Addition Theorem for, ( <i>Yasuda</i> ) .. . . . .	251
Atmospheric Refraction Effects at Mizusawa, Simultaneous Observations of Latitude Variation, ( <i>Yamamoto</i> ) .. . . . .	312
Bornylamine and its Transformations into Isobornylamine ( <i>Komatsu and Yamaguchi</i> )	62
Calcium Oxide and Phosphoric Acid, Simultaneous Determinations of, ( <i>Nakaseko</i> )	157
Calcium Phosphate, On the Analysis of, ( <i>Nakaseko</i> ) .. . . . .	157
Catalytic Preparation of Camphene and Isocamphan ( <i>Komatsu and Nakai</i> ) .. . .	65
Catalytic Preparation of para-Cymene and its Formation in Sulphite Ferpentine, Catalytic Action, II. ( <i>Komatsu, Nakamura and Kurata</i> ) .. . . . .	183
Camphene, Catalytic Preparation of, ( <i>Komatsu and Nakai</i> ) .. . . . .	65
Camphor Series, Studies on, II. ( <i>Komatsu, Fujii, Yamaguchi and Nakai</i> ) .. . .	55
— III. ( <i>Komatsu and Yamaguchi</i> ) .. . . . .	245
<i>dextro</i> -Camphoroxime, Catalytic Action of, Camphor Series, III. ( <i>Komatsu and Yamaguchi</i> ) .. . . . .	245
Curvature of a Curve in $n$ Dimensional Non-Euclidean Space. On the, I. ( <i>Kanitani</i> )	221
Curved Surfaces, On the Projective Deformation of, I. ( <i>Kanitani</i> ) .. . . . .	1
— II. ( <i>Kanitani</i> ) .. . . . .	29
— III. ( <i>Kanitani</i> ) .. . . . .	77
para-Cymene and its Formation in Sulphite Terpentine, Catalytic Preparation of, Catalytic Action, II. ( <i>Komatsu, Nakamura and Kurata</i> ) .. . . . .	183
Demonstration of Vibration of String, and Spring, On Mechanical Devices for, ( <i>Hayashi</i> ) .. . . . .	165
Differential Geometry of Non-developable Surfaces, I. ( <i>Kanitani</i> ) .. . . . .	191
Flow of Fluid, Demonstration of Steady, ( <i>Hayashi</i> ) .. . . . .	171
<i>lævo</i> -Isobornyl Acetic Acid and its Esters, Synthesis of, ( <i>Komatsu and Fujii</i> ) ..	57
Isobornylamine, Bornylamine and its Transformation into, ( <i>Komatsu and Yamaguchi</i> ) .. . . . .	62
Isocamphan, Catalytic Preparation of, ( <i>Komatsu and Nakai</i> ) .. . . . .	65
Karafuto Wood, Proximate Composition of, Japanese Plant, I. ( <i>Nakamura</i> ) ..	295
Latitude Variation with Special Arrangements for the Investigation of Atmospheric Refraction Effects at Mizusawa, ( <i>Yamamoto</i> ) .. . . . .	312

## INDEX OF SUBJECTS TO VOLUME VI.

	PAGE.
Light-Velocity, On the Principle of, ( <i>Matsumoto</i> ) .. . . . .	187
$\alpha$ -Naphthol and $\alpha$ -Naphthylamine, Catalytic Reduction of, Catalytic Action, I. ( <i>Komatsu and Nodzu</i> ) .. . . . .	177
Nondevelopable Surfaces, Projective Differential Geometry of, I. ( <i>Kanitani</i> ) ..	191
Non-Euclidean Space, On the Curvature of a Curve in $n$ -Dimensional, I, ( <i>Kanitani</i> ) .. . . . .	221
Non-Euclidean Space, Oriented Circles, III. ( <i>Kashiwagi</i> ) .. . . . .	97
Phosphoric Acid Esters, On the Synthesis of, I. ( <i>Komatsu and Kumamoto</i> ) ..	45
$\alpha$ -Pinene and Sulphuric Acid, Reaction between $\alpha$ -Pinene and Acids, I. ( <i>Ono</i> ) ..	305
Proximate Composition of Karafuto Wood, Japanese Plant, I. ( <i>Nakamura</i> ) ..	295
Reduced Copper on <i>d</i> -Camphroxime, Catalytic Action of, Camphor Series, III. ( <i>Komatsu and Yamaguchi</i> ) .. . . . .	245
Reduction of $\alpha$ -Naphthol and $\alpha$ -Naphthylamine, Catalytic Action, I. ( <i>Komatsu and Nodzu</i> ) .. . . . .	177
Reply to Professor B. K. Singh, Picrates of Some Tertiary Animes, ( <i>Komatsu and Takimoto</i> ) .. . . . .	173
Sodium Sulphate - Sodium Chromate - Water, on the System, II. ( <i>Osaka and Yoshida</i> ) .. . . . .	49
String and Spring, On Mechanical Devices for Demonstration of Vibration of ( <i>Hayashi</i> ) .. . . . .	165
Sulphite Terpine, Catalytic Preparation of <i>p</i> -Cymene and its Formation in, Catalytic Action, II. ( <i>Komatsu, Nakamura and Kurata</i> ) .. . . . .	183
Tertiary Animes, Picrates of, ( <i>Komatsu and Takimoto</i> ) .. . . . .	173
Transcendental Algebraic Functions, ( <i>Yasuda</i> ) .. . . . .	140
Transcendental Integral Functions of Transfinite Orders, ( <i>Yasuda</i> ) .. . . . .	121
Transfinite Orders. Transcendental Integral Functions of, ( <i>Yasuda</i> ) .. . . . .	121

