

**Z cyklu "Ważniejsze konferencje"**

**Tytuły prac publikowanych w materiałach VI światowej konferencji  
ICECGDG w Tokio (1994) - cz. I.**

Category 1 Theoretical Graphics and Applied Geometry

The Planar, Spherical and Octahedral Forms of a Plane-Symmetric Multiloop Kinematic Chain  
J.E.BAKER, Austria

Computerized Grassman Constructions of Plane Curves  
A.BANAI, M.MANEVICH, Israel

A Comparison of Algebraic Systems for the Formulation of a Class of Mechanism Problems  
G.BITTEREFELD, J.BROWNE, J.STEINER, Australia

Geometry and Astrology  
A.E.BLACH, Canada

From the Development Perspective Drawing to Descriptive Geometry and the Fourth  
Dimension  
H.E.BRISSON, U.S.A.

Constructional Approach to Transformations  
L.CZECH, Poland

The Center Projection System Depending on the Parallelity  
H.V.DÖNDÜREN, Turkey

The Relativistic Geometry of the Harmonic Equivalents  
L.DOVNIKOVIĆ, Yugoslavia

Minor Axis of the Oval of Descartes and Ovaloid  
H.EBISUI, Japan

The SOPA Surfaces  
W.P.HARRISON, Jr., U.S.A.

Various Intersection Line Shapes of Two Oblique Cylinders  
H.HAYSAKA, Japan

The Outlines of the Polyhedric World  
P.HUYBERS, Netherlands

A Study on Measuring 3-Dimensional Object by Image Processing  
N.IIDA, S.NAGAE, K.HATAKEYAMA, Japan

Frameworks of Spatial Representation for Design Thinking - A Comparative Study on the Development of Architectural Drawings by Laymen and Professional Architects -  
Y.YOKOYAMA, Japan

Shape Analysis of Hip Applied to Dress Pattern Construction  
M.INOMATA, E.TSUTSUMI, M.KATO, Japan

Geometry Analysis and CAD for Quadratic Ruled Surface  
S.JIA, C.LU, P.R.China

The Depiction of Drums in RAIGOHZU Paintings - Application of Descriptive Geometry to Research on Japanese Musical Iconography -  
S.KASHIMA, Japan

Interpretation of Geometrical Diagrams Applied to Paintings and Architectural Drawings  
N.KOBAYASHI, Japan

Method for Drawing the Oblique Projection Figure of the Cylindrical Gear Tooth  
S.KONDO, A.KUBO, Japan

A Study on the Descriptive Geometry of a Picture Scroll of "The Tale of Genji"  
K.KOYAMA, Japan

Curve of All Isotropic Focal Points  
M.LAPAINÉ, V.ŠČURÍČ, Croatia

Interpolating Cross Sections with Developable Blending Surface  
V.M.LEVI, U.K.

New Development in the Field of Descriptive Geometry  
X.MA, P.R.China

Concerning the Expression of Space in "The Legend of Mount Shigi Handscroll - Shigisan Engi Emaki"  
K.MENDE, Japan

Graphics, the Jefferson Memorial and Scaffolding  
F.W.MEYER, U.S.A.

Development of Automatic Setting - out Device for Construction Application  
K.MIZUNO, T.MUTAMOTO, S.FURUTANI, S.YOKOTA, Y.SHIBATA, A.KAWASAKI,  
Japan

On Projection Transformations in Three and Higher Dimensions  
M.MORIKAWA, Japan

Formative Art of Rotating Objects on a Plane  
T.MURAMATSU Japan

Geometrical Algorithms in Solid Modeling System  
S.NAGASHIMA, Japan

Practical and Theoretical Determination of Bird's Eggs  
G.F.NAGY, Hungary

Nomography Made Simple  
H.NIAYESH, France

The Generating Mechanism of Geometric Patterns by Arithmetic Operator - Computer Graphics Art  
N.ODAKA, Japan

Newtonian Dynamics of Perception  
K.OGAWA, Japan

A Photographic Method for Panoramic Sequence with a Regular Camera : Part 2 Some Discussions on Practical Application of the Method  
M.OHNISHI, K.TAKEYAMA, Japan

Measurement and Graphic Representation of Residents' mutual Visual Interactions for the Site Planning of Multi - family Housing  
R.OHNO, K.TAKEYMA, Japan

Drawing Methods of Single Plane Projection  
E.OHTA, K.MINAMI, Japan

The Scale Method for the Drawing of Three Vanishing Points Perspective  
M.PALAMUTOGLU, Turkey

Another Method of Projection  
M.PALEJ, K.T.TYTKOWSKI, Poland

Brightness about Binocular Perspective and Aeolotropic Surface  
Z.PEI, P.R. China

Compact Product Packing Using Genetic Algorithm  
P.V.M.TAO, India

Type Synthesis of Spatial Linkage  
S.REN, S.WANG, P.R. China

Image Gap between Solid Bodies and Their Projected Figures  
Y.SAKUMA, N.TSUTSUMI, K.SUZUKI, Japan

Geometry from / for Engineers : Don't Believe What You Hear or See or Read Unless You Have a Proof!  
H.SEYBOLD, Germany

Degenerate Intersection in Solid Modeling  
H.STACHEL, Austria

Gilbert's Globe  
N.SUDETA, M.LAPAINE, N.FRANČULA, Croatia

Minimum Distance Problems in Computer Aided Design  
K.G.SUFFERN, Australia

Mass Properties of Superquadric Shapes  
K.G.SUFFERN, Australia

Suggested Combined Collateral Measures for Practical Axonometric Drawing Technique  
toward its Added Utility  
A.SUGINOME, S.INO, S.IWAI, K.KUROSAWA, Japan

Ortographic Construction of Reproduced Images from Anaglyphic Stereogram on Horizontal  
Plane  
K.SUGIYAMA, K.YOSHIDA, Japan

On Rotations and Projections for Visualization of Lattices and Polytopes in  $n$ -dimensional  
Euclidean Space  
I.TAKADA, Japan

The Embodiment of Linear Perspective Drawing  
T.TANAKA, Japan

Singular Point Method on Treatment of Hidden Line  
Y.TASHIRO, Japan

An Algebraic Vectorial Basis for Visualisation in Descriptive Geometry  
V.O.THOMAS, Australia

Singularity on Tangent Surface  
L.TSAO, P.R. China

Shape Analysis of Shoulder Girdle and its Applications to Garments Pattern Construction  
Theory  
E.TSUTSUMI, Japan

A Problem Solving Support System Based on Diagrammatic Reasoning  
K.UEDA, S.NAGANO, Japan

Description and Organization of the Architectural Space  
V.VALERIO, A.G.S.VENTRE, Italy

Creative Geometry  
D.VELICHOVA, Slovakia

An Axiomatic Theory of Graphic Models of Polydimensional Spaces  
V.Y.VOLKOV, V.Y.YURKOV, Russia

The Auxiliary Orthogonal Projection on an Oblique Hyperplane in Four-Dimensional Space  
J.WANG, P.T. China

Comparison of Human Dorsal Relief between Japanese Elderly and Young Women Using  
Body Surface Topographic 3-D Data  
K.WATANABE, Y.FURUMATSU, Y.MATSUYAMA, H.TAKABU, Japan

The Correction of Deformation & Distortion on Perspective View  
J.YANG, P.R. China

Development of Simplified Techniques for Perspective Drawings in Italian Renaissance  
T.YOKOYAMA, Japan

Orthographic Construction of Images Reproduced from Anaglyphic Stereogram by the  
Method of Vanishing Points  
K.YOSHIDA, Japan