

22nd CONFERENCE GEOMETRY GRAPHICS COMPUTER CRACOW 1 - 3 VII 2015

GEOMETRY AND ENGINEERING GRAPHICS CENTRE SILESIAN UNIVERSITY OF TECHNOLOGY

DIVISION OF DESCRIPTIVE GEOMETRY, TECHNICAL DRAWING & ENGINEERING GRAPHICS
FACULTY OF ARCHITECTURE CRACOW UNIVERSITY OF TECHNOLOGY

BOMBIK D.: *THE USE OF PROJECTION DEGENERATE TO DETERMINE THE PIERCE POINT OF THE TORUS*

BOROWSKA G.: *FOLLOWING THE RIVER TO THE SEVEN SEAS OF GEOMETRY*

CYUNEL M.: *CAD TECHNIQUES IN DIDACTICS*

DUDZIK P., SROKA-BIZOŃ M., TYTKOWSKI K.T.: *WHAT DO WE KNOW ABOUT STUDENTS?*

DUDZIK P., TERCZYŃSKA E., TYTKOWSKI K.T.: *ARE THE STUDENTS AWARE OF THEIR KNOWLEDGE? – AN EXPERIMENT*

DŹWIERZYŃSKA J.: *THE PHENOMENON OF THE ARCHITECTURAL PANORAMA OVER THE AGES*

FILIPOWSKI S.: *COMPUTER SIMULATION OF LIGHT COMPARED TO REALITY*

GERGELITSOVÁ Š., HOLAN T.: *WHAT CAN TEACHERS LEARN FROM THEIR STUDENTS' HOMEWORK*

GÓRKO M.: *FIVE RULES OF CONSTRUCTING SHADOWS*

GÓRSKA R., TYTKOWSKI K.T.: *THE PROSPECT OF THE DEVELOPMENT OF DESCRIPTIVE GEOMETRY AS SEEN FROM THE PERSPECTIVE OF TWO POLISH UNIVERSITIES*

GÓRSKA R.: *GRAPHICACY CAPABILITY AS A FACTOR ENHANCING SUCCESS IN ENGINEERING DISCIPLINES*

KOTARSKA - LEWANDOWSKA B.: *EXPLORING MENTAL SILHOUETTE TEST*

KOŹNIEWSKI E., ORŁOWSKI M.: *GEOMETRY THROUGH THE ANALYSIS OF STRUCTURES*

KOŹNIEWSKI E., ŻABA A., DUDZIK P.: *THE COMPACTNESS INDICATORS OF SOLIDS*

KOŹNIEWSKI E., ORŁOWSKI M.: *VORONOI DIAGRAMS RELATED TO THE BEND LINES IN STATICALLY LOADED FLAT PANELS*

KOŹNIEWSKI E.: *DISCUSSION ON THE CHARACTERISTIC INVARIANT OF AN ORTHOGRAPHIC PROJECTION*

LEOPOLD C.: *RELIEF-PERSPECTIVE – CONCEPT AND APPLICATIONS*

NASSERY F., SIKORSKI P.: *GEOMETRICAL COMPUTER'S APPLICATIONS IN PROCESSING LANGUAGE ON THE EXAMPLE OF THE SKETCHPAD PATTERNS USING A PLANE OF SYMMETRY*

NOWAK A., ROKICKI W.: *MATH MODELS IN SHAPING THE SURFACE OF BIONIC STRUCTURES*

PIECH I.: *THE USE OF PHOTOGRAMMETRIC METHODS IN ENGINEERING PRACTICE*

PIEKARSKI M.: *RECIPROCAL SYSTEMS AS THE GEOMETRIC TOOL FOR SHAPING TWISTED FORMS OF BUILDINGS*

PÜTZ C., INTVEEN G.: *FACILITATING INDIVIDUAL LEARNING PROCESSES WITH ADVANCED INSTRUCTIONS*

ROMANIAK K., SROKA-BIZOŃ M., PAWLAK-JAKUBOWSKA A.: *MODELLING OF MOVEMENTS THE RETRACTABLE ROOFS BASED ON CAD COMPUTER PROGRAMS*

ROMANIAK K., KULIG A.: *PERSPECTIVE AS CONVENTION OF THE SPATIAL OBJECTS REPRESENTATION*

RUŻYCZKA A.: *SPATIAL IMAGINATION OF STUDENTS COMMENCING THE COURSE IN DESCRIPTIVE GEOMETRY ON TECHNICAL FACULTIES IN THE YEARS 2011-2014*

SROKA-BIZOŃ M., TERCZYŃSKA E.: *WHAT EVERY STUDENT SHOULD KNOW – THE CORE CURRICULUM FOR GENERAL EDUCATION, MATHEMATICAL AND TECHNICAL EDUCATION*

TOFIL J., POLINCEUSZ P.: *CREATION AND ANIMATION SCHOOL OF STRING CONSTRUCTION BRIDGES*

UŁAMEK K.: *AN ABSTRACT OF THE DOCTORAL THESIS ENTITLED: THE POSSIBILITIES OF APPLYING REFLECTIONS AND MIRROR ANAMORPHOSES: SPHERICAL, CYLINDRICAL AND CONE IN ARCHITECTURE*

VANSEVICIUS A.: *100 YEAR ANNIVERSARY BOOK*

VOGT B.: *AUTOCAD AND E-LEARNING IN TEACHING DESCRIPTIVE GEOMETRY*

WANCLAW A.: *PARAMETRIC GEOMETRY IN THE CURRICULUM OF DESCRIPTIVE GEOMETRY ENGINEERING GRAPHICS*

WITCZYŃSKI K.: *ON SOME GENERALIZATIONS OF A FAMOUS THEOREM*

WOJTOWICZ A., WOJTOWICZ B.: *PERSONAL NEED FOR STRUCTURE AS A FACTOR AFFECTING THE UNDERSTANDING AND PROJECTING OF COMPLEX SPACIAL STRUCTURES*

ŻAKOWSKA L., PIWOWARCZYK M.: *VISUALIZATION IN TRANSPORTATION – THE EFFECT OF FIELD OF VIEW ON DRIVER'S PERCEPTION OF OBJECTS IN DYNAMIC ROAD ENVIRONMENT SIMULATION*

ZARZEKA-RACZKOWSKA E.: *PERSONAL NEED COMPUTER AIDED DESIGN IN 3D MODELLING AND VISUALISATION OF ENGINEERING OBJECTS*