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微分幾何及其應用、代數拓樸、 數學教育	Differential Geometry and its Applications, Algebraic Topology, Mathematics Education
<p>Research interests:</p> <ol style="list-style-type: none"> 1. Research in Undergraduate Mathematics Education (RUME) 2. Geometry Education 3. Differential Geometry with Applications to Computer Aided Geometric Design (CAGD) and Matrix Information Geometry 4. Relationships between Curvature and Topology in Riemannian Manifolds <p>Selective publications:</p> <ol style="list-style-type: none"> 1. <u>Wen-Haw Chen</u>, Four Stages in Teaching Linear Algebra: From Diagnosis, Connection, Deepening To Application, Far East Journal of Mathematical Education, 15(2) (2015), pp. 177-190. 2. <u>Wen-Haw Chen</u>, A Review of Geometric Mean of Positive Definite Matrices, British Journal of Mathematics & Computer Science, 5(1) (2015), pp 1-12. 3. <u>Wen-Haw Chen</u>, Applying Problem-Based Learning Model and Creative Design to Conic-Sections Teaching, International Journal of Education and Information Technologies, 7(3) (2013), pp73-80. 4. <u>Wen-Haw Chen</u> & <u>Sheng-Gwo Chen</u>, A Note of Boundary Geodesic Problem on Regular Surfaces, Proceedings of the 5th European Computing Conference (2011), pp 105-109. 5. <u>Wen-Haw Chen</u> & <u>Jyh-Yang Wu</u>, Some New Obstruction Results for Compact Positively Ricci Curved Manifolds, Bull. Belg. Math. Soc. Simon Stevin 13(3) (2006), pp 441-453. 	