

CURRICULUM VITAE

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Education:

- B.S., Seoul National University, February 1985
- M.S., Seoul National University, February 1987
- M.S., The University of Chicago, May 1989
- Ph.D., Seoul National University, February 2003

Ph.D. Dissertation: Projectively normal embedding of a k -gonal curve
and normal generation of line bundles on smooth algebraic curves

Thesis Advisor: Changho Keem, Seoul National University

Field of Research: Algebraic Geometry (Curve Theory)

- Normal generation of Line bundles,
- Gromov-Witten invariants
- Biomathematics

Employment:

- Postdoctoral Fellow, Department of Mathematics, Konkuk University, July 2003 - November 2006
- Reseach fellow, NIMS, December 2006 - February 2007
- Assistant Professor, Hankuk University of Foreign Studies, March 2007 - February 2010
- Associate Professor, Hankuk University of Foreign Studies, March 2010 - Present

Publication list:

- with Seonja Kim, Projectively normal embedding of a k -gonal curve, Communications in Algebra, V. 32, No. 1, pp. 187-201, 2004
- with Seonja Kim, Normal generation of line bundles on algebraic curves, Journal of Pure and Applied Algebra, 192(2004), 173-186
- with Youngook Choi, Seonja Kim, Normal generation and Clifford index on algebraic curves, Mathematische Zeitschrift (2007) 257: 23-31
- with Seonja Kim, Projective normality of algebraic curves and its application to surfaces, Osaka J. Math 44(2007), 685-690
- with Jin-Hwan Cho, Dosang Joe, Analysis of Neighbor-Joining based on box model, Journal of Applied mathematics and computing, v. 25 No. 1-2, September 2007
- with 이영이, 한종민, 선형 근사로서의 접선 개념의 교육학적 고찰, 한국수학교육학회 시리즈 E <수학교육논문집> 제 23집 제 3호, 2009. 9. 625-642
- with 김종임, 장재덕, 수학 영재교육을 중심으로 영재교육 현황과 영재교육의 효율적인 운영을 위한 개선책 탐구, 한국수학교육학회 시리즈 E <수학교육논문집> 제 23집 제 3호, 2009. 9. 643-682
- with 김수연, 장재덕, 논문집 시리즈 A <수학교육>에 게재된 논문들의 분류와 분석, 한국수학교육학회 시리즈 E <수학교육논문집> 제 23집 제 3호, 2009. 9. 683-705

- with 노희성, 손은해, 피타고라스 정리의 다 양한 증명 방법과 수학교육학적 아이디어 분석, 한국수학교육학회 시리즈 E <수학교육논문집> 제 23집 제 3호, 2009. 9. 889-921
- with Jin-Hwan Cho, Dosang Joe, Quartet consistency count method for reconstructing phylogenetic trees, Communication in Korean Mathematical society, **25** (2010), No. 1, pp. 149-160
- with Seonja Kim, Normal generation of nonspecial line bundles on algebraic curves, Bulletin of Korean Mathematical Society, **48** (2011), No. 1, pp. 105-114
- with Youngook Choi, Seonja Kim, Remarks on Brill-Noether divisors and Hilbert Schemes, Journal of Pure and Applied Algebra, 216(2012), 377-384