

CURRICULUM VITAE

Victor V. Pambuccian

—PERSONAL INFORMATION, ADDRESS, E-MAIL, TELEPHONE

- Work: New College of Interdisciplinary Arts & Sciences, MC 2352
Arizona State University - West Campus,
P. O. Box 37100
Phoenix, AZ 85069-7100, USA
- e-mail: pamb@asu.edu
- Telephone (work): 602-543-3021

—EMPLOYMENT

- Professor of Mathematics, ASU West Campus, Fall 2007 -
- Associate Professor of Mathematics, ASU West, Fall 1999 - Spring 2007
- Assistant Professor of Mathematics, ASU West, Spring 1994 - Spring 1999
- Teaching Assistant at the University of Michigan (9/89-5/93),
and Lecturer in Mathematics (9/93-12/93)
- Mathematics and French teacher at the “National Sports
Academy in Lake Placid”, Lake Placid, NY (9/88-6/89)

—EDUCATION

- University of Michigan (9/89 - 8/93)
Ph. D. in Mathematics (August 1993)
Major Area: Logic, Foundations of Geometry
Dissertation Title: The Axiomatics of Euclidean Geometry
Thesis Adviser: Prof. Andreas Blass.
- University of Bucharest, Faculty of Mathematics (1978-1982)
Master of Sciences in Mathematics, June 1982
M.S. Thesis Title: The problem of the axiomatic
foundation of Euclidean geometry (120pp.)
Thesis Adviser: Prof. Kostake Teleman.
- “Deutsches Gymnasium”, Bucharest, Rumania (1970-1978)
Abitur diploma, September 1978.

—ACADEMIC AWARDS and SCHOLARSHIPS

- 1st; 2nd prizes of the “Gazeta Matematica”
(Bucharest, 1975; 1976).
- 3rd; 1st; 2nd; 1st; 2nd prizes at the “Bundeswettbewerb
Mathematik” (Bonn, 1976; 1977; 1977; 1978; 1978).

- Two prizes at the “Prindle, Weber & Schmidt Undergraduate Math. Competition” II and III (Boston, MA, 1978; 1979).
- Alice Glover Webber Scholarship, University of Michigan (1989-1991).
- Rackham Dissertation Grant, University of Michigan (1/93 - 5/93).
- Fulbright Research Fellowship, University of Białystok (9/03-1/04).
- Mercator Visiting Professorship, Technische Universität Dortmund (4/08-10/08).
- **GRANTS (EXTERNAL)**

DAAD (German Academic Exchange Service, Bonn, Germany)

Three Study Visit Grants (3 months support):

- (1) Summer 1996 at the Universität Erlangen (Prof. Dr. Karl Strambach);
- (2) Summer 2001 at the Universität Würzburg (Prof. Dr. Theo Grundhöfer)
- (3) Summer, Winter 2006 at the Univesrität Dortmund (Prof. Dr. Tudor Zamfirescu)

— **EDITORIAL REVIEW BOARDS**

- Member of the Editorial Board of the *Journal of Applied Logic* (Elsevier, Amsterdam) (February 2004—)

— **PRESENTATIONS**

- **Invited Talk.** Universal axiomatizations of plane geometries in languages without relation symbols, *Symposium on Constructive Geometric Reasoning*, Stanford University, 23.10.2009
- Forms of the Pasch axiom in ordered geometry, *11th International Conference on Discrete Mathematics: Convexity and Discrete Geometry*, TU Dortmund, July 2009
- **Invited Talk.** Existence and constructions in axiomatic geometry. *International Workshop Ontological Shifts in Geometry*, Paris, June 2009.
- **Invited Talk.** Elementary geometry and algebra: Similarities and differences. *Ideals of Proof: Geometrical Thinking*, December 2008, Nancy.
- Elementary Versions of the Sylvester-Gallai Theorem, *10th International Conference on Discrete Mathematics: Convexity and Discrete Geometry*, U Dortmund, July 2007
- **Invited Talk.** Theorems of Alexandrov-Zeeman type as definability statements and the axiomatics of hyperbolic geometry. *Logic in Hungary, 2005*, August 2005, Budapest.
- Groups and plane geometry, *Groups and Topological Groups Annual Meeting*, Milano, June 2005
- Axiomatizations of hyperbolic and absolute geometries *The Bolyai Conference*, Budapest, Juli 2002.
- A logical reading of characterizations of mappings by mild hypotheses, *8th International Conference on Geometry*, 7.-14. March , 1999, Nahsholim, Israel (abstract in *Journal of Geometry* 65 (1999), 21.)
- Constructive axiomatizations of planes with a Euclidean metric, *7th International Conference on Geometry*, 2.-9. April, 1995, Nahsholim, Israel (abstract in *Journal of Geometry* 53 (1995), 19-20.)
- Simplicity in geometry and arithmetic, *The Sacks Symposium*, Boston, 1993.
- What is the natural Euclidean metric?, *ASL meeting*, Notre Dame, 1993 (abstract in *Journal of Symbolic Logic* 59 (1994), 711-712.)
- Four variants for Eternity, *8th International Congress of Logic*,

Methodology, and Philosophy of Science, Moscow, 1987.

- Euclidean geometry is axiomatizable by statements about up to five points, *8th International Congress of Logic, Methodology, and Philosophy of Science*, Moscow, 1987.
- (with R. Schnabel) Die metrisch-euklidische Geometrie als Ausgangspunkt für die geordnet-euklidische Geometrie, *7th International Congress of Logic, Methodology, and Philosophy of Science*, Salzburg, 1983.
- Talks (in German resp. Armenian) at the U Erlangen (1996, 2001, 2005), U Potsdam (1996, 2001), Yerevan State University (1999, 2001, 2007), TU Wien (2001), U Hannover (2001), U Münster (2004, 2007), TU Dortmund (2007, 2009).
- Fulbright Talks at the U Białystok, U Warszawa, U Toruń, U Olsztyn, U Kraków, U Siedlce (alle 2003)

— COURSES TAUGHT

Introductory Calculus, Mathematics for Biology Students II,
Precalculus, Differential Equations and Linear Algebra,
(at the U of Michigan, 1989-1993),

Linear Algebra (MAT 342) (Spring '94, ASU West)

Foundations of Higher Mathematics (MAT 300),

(Fall '94, '95, '96, '97, '99, '01, '02, '04, '05 '06 ASU West)

Introduction to Geometry (MAT 310)

(Fall '94, '95, '96, '97, '99, Spring '02, '03, '04, '05, '06, '07 ASU West),

Advanced Calculus (MAT 371) (Fall '02, Fall '04, Fall '05)

History and Philosophy of Mathematics (MAT 411)

(Spring '95, '96, Fall '96, '97, '98, '99, Spring 2000, Fall '01, '02,

Spring '04, Fall '05, '06, '08, '09 ASU West),

Theory of Numbers (MAT 445) (Spring '95, '97, '99, 2000, '02, '05, '07 ASU West),

Abstract Algebra (MAT 443) (Spring '96, '98, Fall '99, Spring '03, '04, '06, ASU West)

Introduction to Metamathematics (MAT 598) (Spring 2000, ASU West)

Brief Calculus (MAT 210) (Fall '01, '06, '08, '09 ASU West)

Topics in the foundations of geometry (Summer 99,

University of Yerevan; Fall '03, University of Białystok)

Einführung in die mathematische Logik, SS 2008, TU Dortmund.