

## CURRICULUM VITAE

### Mher S. Martirosyan

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#### (a) Education

YSU Yerevan, Armenia Mathematical Analysis Ph.D., 1999  
YSU Yerevan, Armenia Mathematics B.S/M.S. 1995

#### (b) Ph.D. Thesis

Biorthogonal expansions of functions permitting approximation by incomplete systems of analytic functions.

#### (c) Professional Experience

2014 – present Adjunct Associate Professor, AUA  
2013 – present Examiner, International Baccalaureate Organization  
2005 – present Associate Professor, YSU  
1998 – 2005 Assistant Professor, YSU  
1996 – 1998 Lecturer, YSU

#### (d) University courses taught

- Mathematical Analysis (YSU)
- Business Mathematics (AUA)
- Probability (AUA)
- Discrete Mathematics (AUA)
- Linear Algebra (AUA)
- Set Theory (YSU)
- Multivariate Analysis (YSU)
- Measure and Integral (YSU)
- Mathematics for Humanities (YSU)

#### (e) Professional interests

- Theory of Approximations
- Distance Learning

#### (f) Grants

- Grant by International Congress of Mathematicians (2014)
- Grant by Researching Mathematics Fund (2006)
- State funding (1998 - 2007)

#### (g) Languages

- Armenian
- English
- Russian

## (h) Conferences and Workshops

- Faculty Professional Development Online Workshops: online teaching and learning, June, **2020**.  
IB Diploma Program, Mathematics HL External Assessment Online Workshop, May, **2018**.  
Olympic School at Mathico, Glendale, CA, and New York, USA, July-August, **2016**.  
Distance Learning Workshop at Mathico, Glendale, CA, USA, July **2015**.  
International Congress of Mathematicians (ICM 2014), Coex, Seoul, Korea, Aug 13-21, **2014**.  
International Conference “Mathematics in Armenia II. Advances and Perspectives”, Tsaghkadzor, **2013**.  
IB Diploma Program, Extended Essays Online Workshop with Triple A Learning, **2012**.  
IB Diploma Program, First Category Professional Development Workshop, Oakham, UK, **2010**.  
Pan Armenian Conference II: The problems of Natural Sciences in 21th century, Yerevan, **2009**.  
International Conference “Harmonic Analysis and Approximations IV”, Tsahkadzor, **2008**.  
International Conference AMADE-2006, Minsk, Belarus, **2006**.  
International Conference “Harmonic Analysis and Approximations III”, Tsahkadzor, **2005**.  
International Conference “Mathematics in Armenia. Advances and Perspectives”, Tsahkadzor, **2003**.  
ISAAC Conference on Complex Analysis, Differential Equations and Related Topics, Yerevan, **2002**.  
International Conference “Harmonic Analysis and Approximations II”, Nor Amberd, Armenia, **2001**.  
International Conference “Harmonic Analysis and Approximations I”, Nor Amberd, Armenia, **1998**.

## (i) Publications

### *Textbooks*

- A. L. Galstyan, A. Hakobyan, M. Martirosyan, V. Musoyan, M. Poghosyan, *Collection of Themes for Term and Final Papers on Mathematical Analysis*, Yerevan State University Press, Yerevan (in Armenian), 154 pages, **2004**.
- B. V. Atabekyan, M. Martirosyan, G. Mikayelyan, S. Rafayelyan, L. Tepoyan, V. Philiposyan, V. Ohanyan, *Mathematics for Humanities*, Yerevan State University Press, Yerevan (in Armenian), 178 pages, **2004**.

### *Articles and conference abstracts*

1. Martirosyan M.S., Martirosyan D.M., On Biothogonalization of a Dirichlet System Over a Finite Interval, *Armenian Journal of Mathematics*, Vol 11, No 4, pp 1-9, **2019**.
2. Martirosyan M.S., Estimation of Polynomials of Exponents on a Finite Interval, *Abstracts of International Congress of Mathematicians*, pp. 228-229, Seoul, Korea, **2014**.
3. Martirosyan M.S., On a representation of interpolating functions for biorthogonal systems of exponents, *Abstracts of the Second International Conference Mathematics in Armenia. Advances and Perspectives*, pp. 48-49, Tsahkadzor, **2013**.
4. A. Darbasyan, A. Karapetyan, A. Manucharyan, M. Martirosyan, S. Shahinyan, R. Vardanyan, Computer models of some theorems and problems of the numerical sequences, *Natural Sciences in 21th century, Proceedings of the second Pan Armenian Conference*, pp. 136-137 (in Armenian), **2009**.

5. Martirosyan M.S., Samarchyan S.V., On speed of approximation of entire functions by a system of exponents with bounded sequence of powers, *Integral Transforms and Special Functions*, Volume 19, Number 8, pp. 585-590(6), Publisher: Taylor and Francis Ltd., August **2008**.
6. Martirosyan M.S., Samarchyan S.V., On geometrically decreasing Kolmogorov widths in Hilbert spaces, *Abstracts of International Conference "Harmonic Analysis and Approximations IV"*, Tsaghkadzor, Armenia, pp. 90–91, **2008**.
7. M. S. Martirosyan, S. V. Samarchyan, On Kolmogorov Widths of Sets of Exponents, *Mathematical Notes*, Vol. 83, pp. 279-280, **2008**.
8. M. S. Martirosyan, S. V. Samarchyan, q-Bounded systems: Common approach to Fisher- Michelli's and Bernstein-Walsh's type problems, *Lobachevskii J. Math.*, 25, pp. 197–216, **2007**.
9. Martirosyan M.S., Samarchyan S.V., Analytic Representation of Some Spans of Exponents, *Proceedings of International Conference AMADE-2006*, Minsk, Belarus, p. 83, **2006**.
10. M. S. Martirosyan, S. V. Samarchyan, q-Bounded systems: Common approach to Fisher- Michelli's and Bernstein-Walsh's type problems, *Abstracts of the International Conference "Harmonic Analysis and Approximation III"*, Tsahkadzor, Armenia, p. 57, **2005**.
11. M. S. Martirosyan. Approximation by Dirichlet polynomials: Uniformness and Speed. *Journal of Contemporary Math. Anal.*, 39 (**2004**), no. 3, pp. 58-65.
12. Martirosyan M. S., Musoyan V. Kh. The  $p$  L Summation of Biorthogonal Expansions by the Incomplete System of Exponents with Bounded Sequence of Powers, *Complex Analysis, Differential Equations and Related Topics*, Proceeding of the ISAAC Conference of Analysis, Editors: Barseghyan G., Ghazaryan H., Nersessian A., Armenian National Academy of Sciences, pp. 195-204, **2004**.
13. M. S. Martirosyan. The uniform summation of biorthogonal expansions by incomplete systems of rational functions in Hardy spaces. (in Russian), *Uch. zap. YSU*, (**2004**), no. 3, pp. 35-41.
14. M. S. Martirosyan and S. V. Samarchyan. Reversion of triangle inequality in  $R^n$ . *Journal of Contemporary Mathematical Analysis*, 38 (**2003**), no. 4, pp. 56-61.
15. M. S. Martirosyan and S. V. Samarchyan. Triangle reverse inequality in  $R^n$ . *Abstracts of International Conference Mathematics in Armenia. Advances and Perspectives*, Tsahkadzor, Armenia (**2003**), pp. 60-61.
16. Martirosyan M. S., Musoyan V. Kh.. The summation of biorthogonal expansion by the incomplete system of exponents with unbounded sequence of powers. *ISAAC Conference on Complex Analysis, Differential Equations and Related Topics*, Yerevan, p. 44(**2002**).
17. Martirosyan M. S., Analytic Continuation of Functions Admitting Approximation by Dirichlet Polynomials, *International Conference "Harmonic Analysis and Approximations-2"* Nor-Amberd, **2001**.
18. Martirosyan M. S., Musoyan V. Kh. The summation of biorthogonal expansion by the incomplete system of rational functions. *Abstracts of the International Conference "Harmonic Analysis and Approximation"*, Nor-Amberd (**1998**), pp. 43-44.
19. Martirosyan M. S., Biorthogonal Expansions of Functions Admitting Approximation by Incomplete Systems of Analytic Functions, *PhD Dissertation Abstract (in Russian)*, Yerevan, **1999**.
20. M. S. Martirosyan. On representation of functions by incomplete systems of rational functions. *Journal of Contemporary Math. Anal.*, 32 (**1997**), no. 6, pp. 26-34.
21. Martirosyan M. S. , Musoyan V. Kh.. The summation of biorthogonal expansion by the incomplete system of rational functions in the  $H^p(1 < p < \infty)$  spaces on the disc. *Izv. NAN, RA, Mathematica*, 32(**1997**), no. 5, pp. 27-38.