

THE CATHOLIC UNIVERSITY OF AMERICA
Washington, DC 20064

SEMINAR IN FUNCTIONAL ANALYSIS
AND RELATED AREAS

Wednesday, November 8, 2023

4:45 p.m. - 6:00 p.m.

SPEAKER: Michael Somos
The Catholic University of America

TITLE: Survey the Elliptic Realm

ABSTRACT: The Elliptic Realm comprises all of the mathematical developments associated with elliptic phenomena. With this I include elliptic integrals, elliptic functions and elliptic curves. I also include special sequences such as the Somos sequences which are related to these previous objects. The term "Elliptic Realm" comes from Harris Hancock's book "Lectures on the Theory of Elliptic Functions". There are dozens of pathways that lead into the Elliptic Realm. Some of the mathematicians that have traveled these pathways include Euler, Fermat, Gauss, Jacobi, Weierstrass, Moutard, Ward, Rosanes and Pasch. I will talk about their work which may have led them to Somos sequences but didn't.

The presentations will be given via Zoom. The corresponding link is as follows

<https://cua.zoom.us/j/87627066209?pwd=cWxxTlpIVko5YitkbVo2V0crMXk3QT09>

Meeting ID: 876 2706 6209

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+13092053325,,87627066209#,,,,*925357# US

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• +1 301 715 8592 US (Washington DC)

ORGANIZERS: V. Bogdan (The Catholic University of America), P. Kainen (Georgetown University), R. Kalpathy (The Catholic University of America), and A. Levin (The Catholic University of America).

Tel: [202-319-5221](tel:202-319-5221), [202-319-5222](tel:202-319-5222). Fax: [202-319-5231](tel:202-319-5231). E-mail: levin@cua.edu

Web page:

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