

Cleveland State
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COLLOQUIUM

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ZPD Algebras and Related Questions

Friday November 4th at 2:30pm in RT 1516

Bio: Hayden is a CSU Math alumni who is currently a Lecturer at Youngstown State University. At YSU, he is a mentor for several graduate teaching assistants and 4 undergraduate students. He also chairs the Active Learning Committee and serves on the Student Success Committee here. I received my Ph.D. in Mathematics under the supervision of Dr. Mikhail Chebotar at Kent State University. My area of expertise is in algebra.

Abstract: An algebra is called *zero product determined (zpd)* if every bilinear map that vanishes on zero product pairs must be implemented by a linear transformation. Zpd algebras arose from the study of certain preserver problems in algebra and analysis concerning linear transformations preserving zero divisor structure. In this talk we will motivate zpd algebras, provide a few examples, and discuss some recent related results where the role of the zero element is generalized.

Refreshments will be served in RT 1517 at 2:10pm