

Composition Operators – Something for Everyone

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The field of (linear) operator theory lies at the intersection of many different areas of mathematics, most obvious at the intersection of complex analysis and functional analysis. Because of this, operator theory is often viewed as a discipline of analysis. However, the field is so extensive that there is *something for everyone*, including algebraists and topologists. In this talk, we will focus on the composition operator, and how analysis, algebra, and topology are essential to the study of this operator. We will then discuss current trends in the field, and some recent results. This talk is accessible to graduate students.