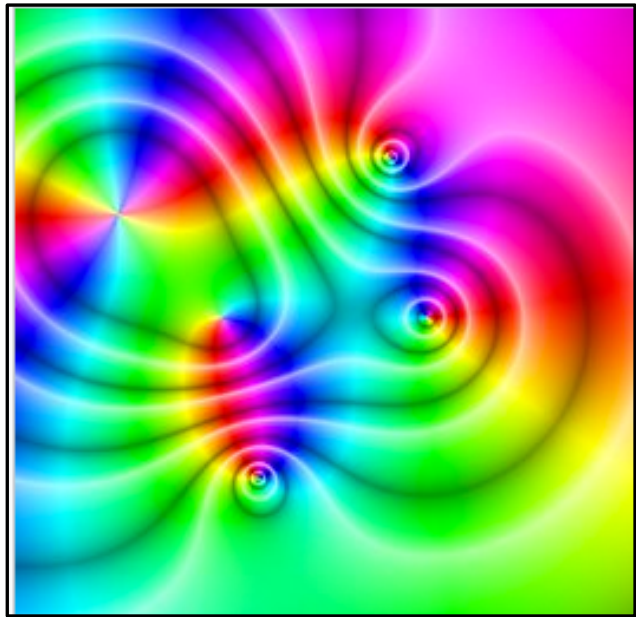


UCCS Department of Mathematics

# Math Colloquium Series

**DR. ROBERT CARLSON**  
**UNIVERSITY OF COLORADO**



**DATE:**

THURSDAY  
SEPTEMBER 6, 2018

**TIME:**

12:30PM-1:30PM  
(REFRESHMENTS AT 12:15PM)

**LOCATION:**

OSBORNE  
ROOM #A327

## Complex Analytic Functions and Differential Operators

**Abstract:** If linear differential operators have analytic coefficients, it seems natural to ask about their behavior on spaces of analytic functions. Simple questions about adjoints and self adjoint problems lead to surprising constraints on the Hilbert spaces and the class of operators. The investigation of these problems involves algebraic and analytic methods, as well as connections to classical work of Gauss, Riemann, Jacobi, Fuchs,  $\dots$ .

For more information please contact the UCCS Math Department at  
(719) 255-3311 <http://www.uccs.edu/math>