

MATH 480
SENIOR SEMINAR
SPRING 2009

Date: March 25th, 2009

Speaker: Tony Dezio, UNC Asheville

Title: *Mathematical modeling of sediment transport*

Abstract: We will discuss marine and inland sediment transport, the Ackers-White formula, and other sediment transport equations. We will also examine the differences between suspended-load sediment versus bed-load sediment, and show how they incorporate to equal total load. Additionally, we will illustrate a connection to real-world applications of sediment transport modeling.