

1125-VU-2640 **John E Mosley*** (jmosley@exeter.edu). *In Search of Class Representatives for SU-Cobordism.*

Interest in the question of preferred class representation of cobordism classes has existed since the study of cobordism began in the 1950's. A classic result of John Milnor states that every stably almost complex cobordism class contains a nonsingular algebraic variety. That is, if we're interested in a complex cobordism class, we can find a nonsingular algebraic variety to represent it. In this talk we will consider the ring of special unitary cobordism, and show that the analogous result does not hold. (Received September 20, 2016)