1117-05-377 Joshua E Ducey* (duceyje@jmu.edu). On the critical group of a strongly regular graph. The critical group of a graph is an interesting isomorphism invariant that has been receiving much attention recently. Determining this group is equivalent to computing the Smith normal form of the Laplacian matrix of the graph. In this talk we demonstrate a technique that yields information about the critical group of any strongly regular graph. As an application, we learn much about the critical group of a hypothetical Moore graph of diameter 2 and valency 57. (Received January 18, 2016)