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Carolyn Ann Otto* (ottoa@uwec.edu), Eau Claire, WI 54703. *Successive Quotients of Filtrations of the String Link Concordance Group*. Preliminary report.

We establish results about the relationship between Milnor's invariants and several filtrations of the string link concordance group. Using this relationship we will investigate whether successive quotients of the filtrations are nontrivial. We will show relationships between the operation of Bing Doubling and Milnor's invariants and use this to generate examples in the successive quotients. Lastly, we will discuss possible methods and examples to discover whether these successive quotient groups are abelian groups. (Received September 17, 2013)