1073-17-264   **Anthony Giaquinto*** (`tonyg@math.luc.edu`), Loyola University Chicago. *Meander graphs and Frobenius Seaweed Lie algebras*

The index of a seaweed Lie algebra can be computed from its associated meander graph. We examine this graph in several ways with a goal of determining families of Frobenius (index zero) seaweed algebras. Our analysis gives two new families of Frobenius seaweed algebras as well as elementary proofs of known families of such Lie algebras. (Received August 04, 2011)