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vincent e coll* (vec208@lehigh.edu). *Seaweed algebras and their associated meanders.*

Meanders were introduced by Dergachev and A. Kirillov as planar representations of biparabolic (seaweed) subalgebras of $\mathfrak{sl}(n)$ - the Type-A case. In their natural matrix representation, seaweed algebras have a distinctive block decomposition defined by two partitions of n . The index of such "seaweeds" can be computed by counting the connected components of their associated meander. In this talk, we extend the Type-A results to the other classical cases (Types-B, C, and D) and provide, in particular, all possible closed form linear greatest common divisor formulas for the seaweed's index in terms of its defining partitions. (Received July 24, 2017)