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**Iana I. Anguelova\*** ([anguelovai@cofc.edu](mailto:anguelovai@cofc.edu)), Department of Mathematics, College of Charleston, 66 George Street, SC 29424. *The two bosonizations of the CKP hierarchy*. Preliminary report.

Although instances of bosonization are rare (the best known is the bosonization of the charged free fermions related to the KP hierarchy), there is not one, but two bosonizations connected to the CKP hierarchy. In this talk I will present the second bosonization, via an untwisted Heisenberg algebra. I will discuss the resulting relations to various (twisted) vertex algebras and applications to the symmetries of the CKP hierarchy. (Received September 06, 2016)