1127-17-131   **Iana I. Anguelova*** (`anguelovai@cofc.edu`). *The CKP and DKP hierarchies and their bosonizations.* Preliminary report.

The BKP and CKP hierarchies were introduced by Date, Jimbo, Kashiwara and Miwa as reductions of the KP hierarchy, with DKP related to the BKP. Although the bosonization of the BKP hierarchy has been known for some time, this is not the case for the CKP and DKP hierarchies. In this talk I will discuss the bosonization of type D, as well as the two different bosonizations of the CKP hierarchy, particularly the second bosonization via an untwisted Heisenberg algebra. I will also discuss the issue of solutions to those hierarchies. (Received January 30, 2017)