1131-22-304   **David Armour** and **Markus Hunziker*** (`markus_hunziker@baylor.edu`). *Category O, Howe duality, and a wonderful correspondence for Cohen–Macaulay modules of covariants.* Preliminary report.

We introduce a new notion—similarity of blocks—in parabolic category O. We then illustrate the usefulness of this notion in the context of Howe duality. Our main result is an explicit bijective correspondence in classical dual pair settings between the set of modules of covariants that are Cohen–Macaulay and a distinguished set of finite-dimensional representations of a related Lie group. (Received July 17, 2017)