1014-13-520   **Alexandre B. Tchernev*** (`tchernev@math.albany.edu`). *On the minimal free resolutions of a class of monomial ideals.* Preliminary report.

We construct a canonical complex of vector spaces associated with a ranked atomic lattice. We use this complex to obtain information on the structure of the minimal free resolutions of a certain class of monomial ideals. (Received September 19, 2005)