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**Amod Agashe\*** (agashe@math.fsu.edu). *A generalization of Kronecker's first limit formula to  $GL(n)$ .*

The classical Kronecker's first limit formula gives the polar and constant term in the Laurent expansion of a certain two variable Eisenstein series, which in turn gives the polar and constant term in the Laurent expansion of the zeta function of a quadratic imaginary field. We will recall this formula and sketch how it can be generalized to more general maximal parabolic Eisenstein series and to zeta functions of arbitrary number fields. (Received September 08, 2019)