1033-35-189   **Borys Bazaliy***, 1326 Stevenson Center, Vanderbilt University, Nashville, TN 37240. *Elliptic and parabolic model problems with singular coefficients in an angular domain.*

We construct the Green function for a boundary value problem for a degenerate elliptic equation and use the representation of a solution in the form Fourier-Bessel series for a parabolic problem with the Bessel operator in a plane angle. The weighted Hölder classes are pointed out in which the coercive estimates for solution are fulfilled. (Received September 10, 2007)