1014-11-745       **Bruce C Berndt\*** (`berndt@math.uiuc.edu`), Department of Mathematics, University of Illinois, 1409 West Green Street, Urbana, IL 61801. *Some Problems Suggested by Ramanujan's Work on Continued Fractions.*

Several results on continued fractions in Ramanujan's notebooks and lost notebook suggest further study. In particular, his continued fractions on quotients of gamma functions and his q-continued fractions merit further study. (Received September 23, 2005)