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Yusuf Sofuoglu* (ysofuoglu@ankara.edu.tr) and **Nuri Ozalp**. *Fractional order bilingualism model without conversion from dominant unilingual group to bilingual group.*

A fractional order model of a population with one bilingual and two unilingual components, in which conversion from dominant unilingual to bilingual doesn't exist is studied. Equilibrium points are found, criteria for the existence and the stability of the positive equilibrium are then investigated. Also, numerical solutions for an example of the fractional order system are obtained by transforming the fractional system to the corresponding integer order one. (Received September 15, 2014)