

Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-39-1241 **Richard DeVault*** (rich@nsula.edu), Department of Mathematics, Northwestern State University of Louisiana, Natchitoches, LA 71497, and **E. Camouzis** and **G. Papaschinopoulos**.
On the recursive sequence $x_{n+1} = \frac{\gamma x_{n-1} + \delta x_{n-2}}{x_n + x_{n-2}}$. Preliminary report.

We investigate the boundedness, global asymptotic stability, and periodic character of solutions of the difference equation $x_{n+1} = \frac{\gamma x_{n-1} + \delta x_{n-2}}{x_n + x_{n-2}}$, $n = 0, 1, \dots$, where the parameters γ and δ and the initial conditions are positive real numbers. (Received October 04, 2004)