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Allan Peterson* (apeterson1@math.unl.edu), Lincoln, NE, and **Baoguo Jia, Feifei Du** and **Lynn Erbe**. *Asymptotic behaviour of nabla fractional h -difference equations*.

We consider the nabla fractional initial value problem

$${}_{\rho(a)}\nabla_h^\nu x(t) = cx(t), x(a) = A > 0, t \in (h\mathbb{N})_{a+h}. \quad (1)$$

where ${}_{\rho(a)}\nabla_h^\nu x(t)$ denotes Riemann-Liouville nabla h -difference of $x(t)$ on sets $(h\mathbb{N})_a$. In this paper, we will discuss the asymptotic behaviour of the solutions of (1) (Received September 19, 2017)