

1113-47-19

**Andras Batkai\*** (batkai@uni-wuppertal.de), Gausstr. 20, 42119 Wuppertal, Germany.

*Operator splitting for delay equations.*

We investigate operator splitting methods for a special class of nonlinear partial differential equations with delay. Using results from the theory of nonlinear contraction semigroups in Hilbert spaces, we explain the convergence of the splitting procedure. The order of convergence is also investigated in detail along with numerical comparisons. (Received May 29, 2015)