Meeting: 1003, Atlanta, Georgia, SS 26A, AMS-SIAM Special Session on Dynamic Equations on Time Scales; Integer Sequences and Rational Maps, I

1003-39-1669 **Kristine Ey** (`ey@ma.tum.de`), Munich University of Technology, Department of Mathematics, Boltzmannstrasse 3, 85747 Garching, Germany, **Andreas Ruffing*** (`ruffing@ma.tum.de`), Munich University of Technology, Department of Mathematics, Boltzmannstrasse 3, 85747 Garching, Germany, and **Sergei Suslov** (`sks@asu.edu`), Arizona State University, Department of Mathematics, Tempe, AZ 85287-1804. *Method of Separation of the Variables for Basic Analogs of Equations of Mathematical Physics.*

We apply methods of separation of the variables to q-analogs of several equations of mathematical physics. (Received October 06, 2004)