1077-39-1070   **Adrian Stefan Carstea*** (`carstea@gmail.com`), Srg. Latea Gheorghe Street, #15, Bl.C71,Ap.18, Bucharest, Romania. *On the Q4-elliptic Painleve equation and rational elliptic surfaces.*

We discuss singularity structure and deautonomization of the (p,q)-reduction of the ABS-Q4 lattice equation. Also the action on the fibers of rational elliptic surfaces obtained by blowing ups is analized. Reductions and deautonomisations of Q3 and Q2 lattice equations are studied as well, showing the linearisable character of the corresponding mappings. (Received September 16, 2011)