1085-82-238 Umar Islambekov\*, uislambekov@math.arizona.edu, and Robert Sims and Gerald Teschl.

Lieb-Robinson bounds for the Toda lattice.

We establish locality estimates, known as Lieb–Robinson bounds, for the Toda lattice. Under suitable assumptions on the initial condition, we also obtain similar estimates for certain perturbations of the Toda system. (Received September 10, 2012)