Samuelson on Cherednik Algebras and KZ Equations January-31-14 4:14 PM
1 Quantum Calogero-Moser Systems 2. Dunkl operators 3. Cherrdrik algebra & category (9. 4.
Def the familiar (M Hariltonian 13 $H = \sum_{i=1}^{n} \left(\frac{\partial}{\partial x_{i}}\right)^{2} - \sum_{i\neq j} \frac{C(c+1)}{(x_{i}-x_{j})^{2}} S_{n}-inalised$
The JL21, Ln+1 invariant,  1. homogeneous of deg (-i).  2. L2=H
3. [Li, Lk]=0 Then generalizes to other Lie Algebras.
Ounkl operators $\nabla_{y}(C) = \partial_{y} + \underbrace{\sum_{k \in R+} (\lambda, y)}_{\{k, k\}} S_{k} \qquad What i$
The (Dunkl, 89) These commute.