05/23/25 Update rules for any m, but still for The special case when exchange between ALA PL hoppens for a directly below a MT and The two Ms immediately to The Teff and to The right of it. • $S_m(k+1) = \left[S_m(k) - \left(\frac{j_R - j_L}{\Delta r}\right)\Delta + \right]$ $+ a(m+1) sr stat { p_{m,n}(h) + p_{m,n-1}(h) } + p_{m,n+1}(h) }$ - 6 gm (h)st • $p_{m,n}(h+1) = p_{m,n} - \underbrace{\Delta t}_{(m+1)\Delta r} \left[(m+2) J_{R}^{r} - (m+1) J_{L}^{r} \right]$ $- \underbrace{\Delta t}_{(m+1)\Delta r\Delta \theta} \left(J_{R}^{\vartheta} - J_{L}^{\vartheta} \right)$ - am, n (h)st + 1 6 fm (h)st
3 (m+1) sr A2 This update rule holds for $N = N_{MT}$, $N_{MT} + 1$ and $N_{MT} - 1$ For other 11, the last two terms would be absent. Also, Is and Is are also functions of k (s.e. time step), just as so and of san