

Conclusions

We have applied our lattice mean field theory and obtained results for **D=2 DMS** systems.

- In both the continuum and discrete cases, T_c is **seriously overestimated** when finite temperature effects in $J^{\text{RKKY}}(\mathbf{r}, T)$ are not included.
- We find strong dependence on carrier density, n_c in the continuum case, whereas one would not have **any** n_c dependence when the **(T=0) RKKY** interaction is used.