

### Adv Cond

- Eq. 3.1 should have  $\delta t \rightarrow 0^-$
- Eq. 3.56 should not have  $\dagger$
- Eq. 3.15 should not have  $\sum_\mu$

### Kondo

- The equation  $d_\Lambda K = \frac{nK^2}{1-\frac{K^2}{16}}$  is valid only close to  $\Lambda = 0$ . How can we integrate that for the whole range?
- How do we get the singlet ground state?
- Why does the singlet ground state energy appear in the energy of the disentangled electrons?
- Why make the internal field zero while calculating the susceptibility?
- Why drop terms of same spin in eq. 33?
- The derivative should produce a factor of 2 in eq. 34.
- In eq. 54, the  $s^+$  and  $s^-$  should probably be interchanged.
- How would you plot eq. 60?
- Why set  $E_1 = 0$  while isolating cloud from impurity?