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## Electric field modulation of spin and charge transport in two dimensional materials and complex oxide hybrids

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## PROPOSITIONS

1. The high dielectric constant of  $\text{SrTiO}_3$  does not improve the spin lifetime of electrons in graphene. (Chapter 4)
2. Simplifying is usually a good thing, except when you try to measure with three instead of four contacts. (Chapter 5)
3. Figures and text should live in harmony and not on different pages. (This thesis)
4. "In theory there is no difference between theory and practice. In practice there is."  
*Yogi Berra*
5. By doing research without trying to use your computers potential, you are handicapping yourself.
6. Two dimensional materials are promising, easy and versatile. Until you start working with them.