UF UNIVERSITY of FLORIDA

Short Course on Density Functional Theory and Applications
X. References and Omitted Topics

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Some References

Alphabetical order, grouped by topic, no implicit priority

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Omitted Topics – surely an incomplete list

1. **X, C holes**
2. **Density Functional Perturbation Theory**
3. **Hardness, softness, electronegativity, reactivity indices ("conceptual DFT")**
4. **TDDFT dynamics**
5. **Transport**
6. **Current Density Functional Theory (CDFT)**
7. **Momentum space properties, Lam-Platzman correction, etc.**
8. **Magnetization anisotropy, non-collinear spin configurations**
9. **Special techniques (Slater "transition state", Zhao-Morrison-Parr potential fitting, very little on Krieger-Lie-Iafrate approximation for OEP, …)**
10. **Dispersion forces and van der Waals interactions**
11. **"ab initio" DFT (Bartlett et al.)**
12. **Weighted density approximation and related XC approximations**

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Thank you for your attention and patience.

Credit: Bobby Scurlock