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## Modeling of excitonic properties in tubular molecular aggregates

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# Stellingen

behorende bij het proefschrift

## **Modeling of Excitonic Properties in Tubular Molecular Aggregates**

door

**Anna Bondarenko**

1. For efficient transport of excitons along tubular molecular aggregates, it is more effective to increase the tube's radius than its length.  
[Chapter 3 of this thesis and PRL 2016, *116*, 196803]
2. For studying energy transfer in large multichromophoric systems, the numerical integration of the Schrödinger equation (NISE) method is currently the best compromise between accuracy and efficiency.  
[Chapter 5 of this thesis]
3. A multiscale approach can be a very powerful way to gain physical understanding in complex molecular systems.  
[Chapter 4 of this thesis]
4. Complex large-scale molecular systems require complicated modeling, such as the multiscale approach shown in Chapter 4. Still, arguably, a simple model can often provide a clearer picture and deep insights, and thus deserves equal attention.
5. Writing is a very good way to prove whether the ideas that you have in mind are actually as clear as you think they are.
6. Collaboration is not possible without openness, trust, and a critical mindset.
7. Certainty eliminates doubt. However, without the latter, science would not exist.
8. The use of articles is cultural, not scientific.