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|  | Pro | Con |
| Thesis Model (direct state space) | + Available code with clear documentation  + We know the programming style  + Accurate model  + Can be considered the black box, giving more opportunity for optimization  + Is probably easier to use with the race line optimization (although I am not sure) | - Sensitive to small mistakes  - Difficult to start easy  - Difficult to edit the vehicle dynamics  - Not very intuitive |
| Simscape Model | + More intuitive  + Able to start very basic and improve certain parts  + easy to work with different people on separate parts  + possible within Simscape to get nice 3D simulations  + Possible to import CAD structures (I know this is also possible in basic Matlab, but might be less useful there) | - We need to learn to use Simscape  - We still need a model to compute the forces to put on the motorcycle  - We really need to know how a motorcycle is build up  - We don’t have a clear documentation |
| Multibody.net |  |  |