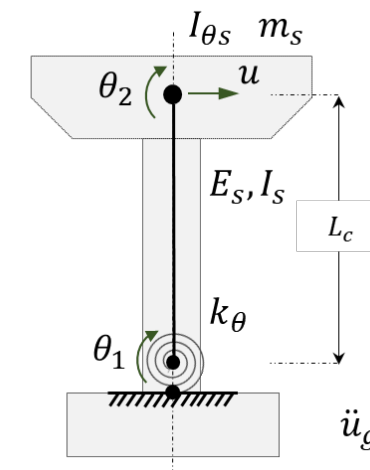
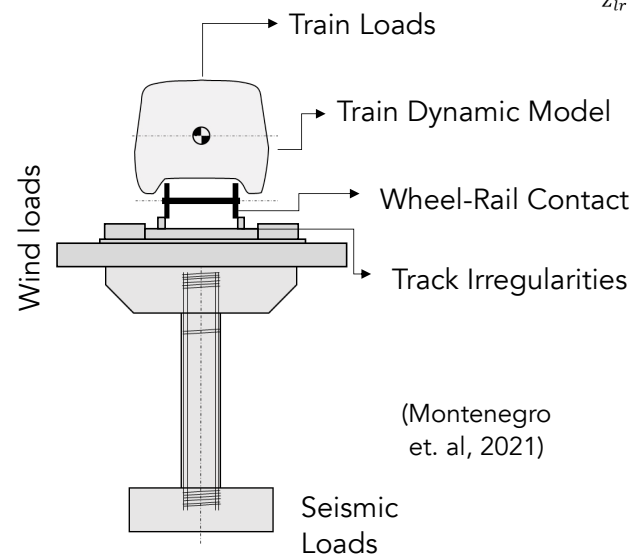
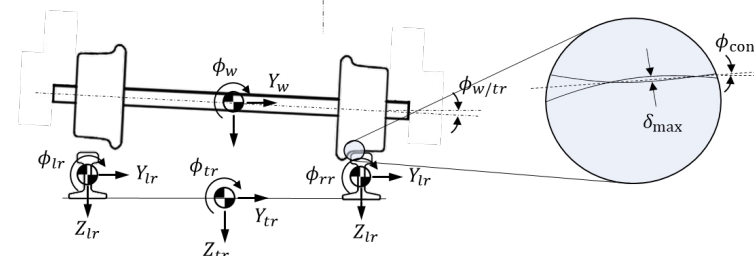
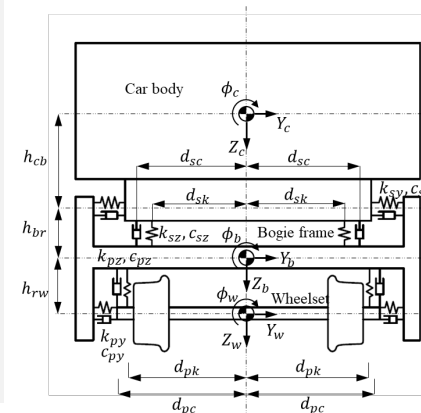


# Train-Structure Interaction and Regional Simulation of BART Railway Network

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- Advisor: Matthew DeJong
- Started in 2021 (MS)



This is me, walking (standing) on the water

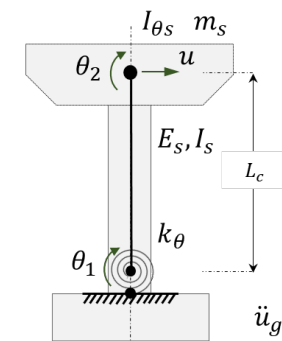


Experimental database  
of  $n$  hysteresis curves

6 nondimensional  
physical parameters  
 $a_i$

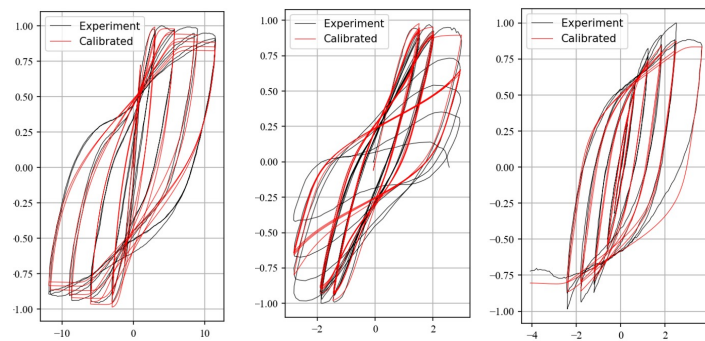
GP  
Regression

Bouc-Wen hysteresis  
parameters  
 $b_j$



Structural model  
parameters

Run Time-History



...

Calibrate  $n$  curves

