



Mechanical Properties

K_{GS_1}

mN/m

K_{GS_2}

mN/m

I_1^{act}

pm

I_2^{act}

pm

d_1

nm

d_2

nm

K_{SP_1}

fN.m/rad

K_{SP_2}

fN.m/rad

K_{SP_3}

fN.m/rad

λ_1

aN.m.s/rad

λ_2

aN.m.s/rad

λ_3

aN.m.s/rad

K_{ES_1}

mN/m

K_{ES_2}

mN/m

λ_{a1}

μ N.s/m

λ_{a2}

μ N.s/m

F_{max_1}

pN

F_{max_2}

pN

S

K_P

mN/m

Electrical Properties

g_c

pS

G_{max}

nS

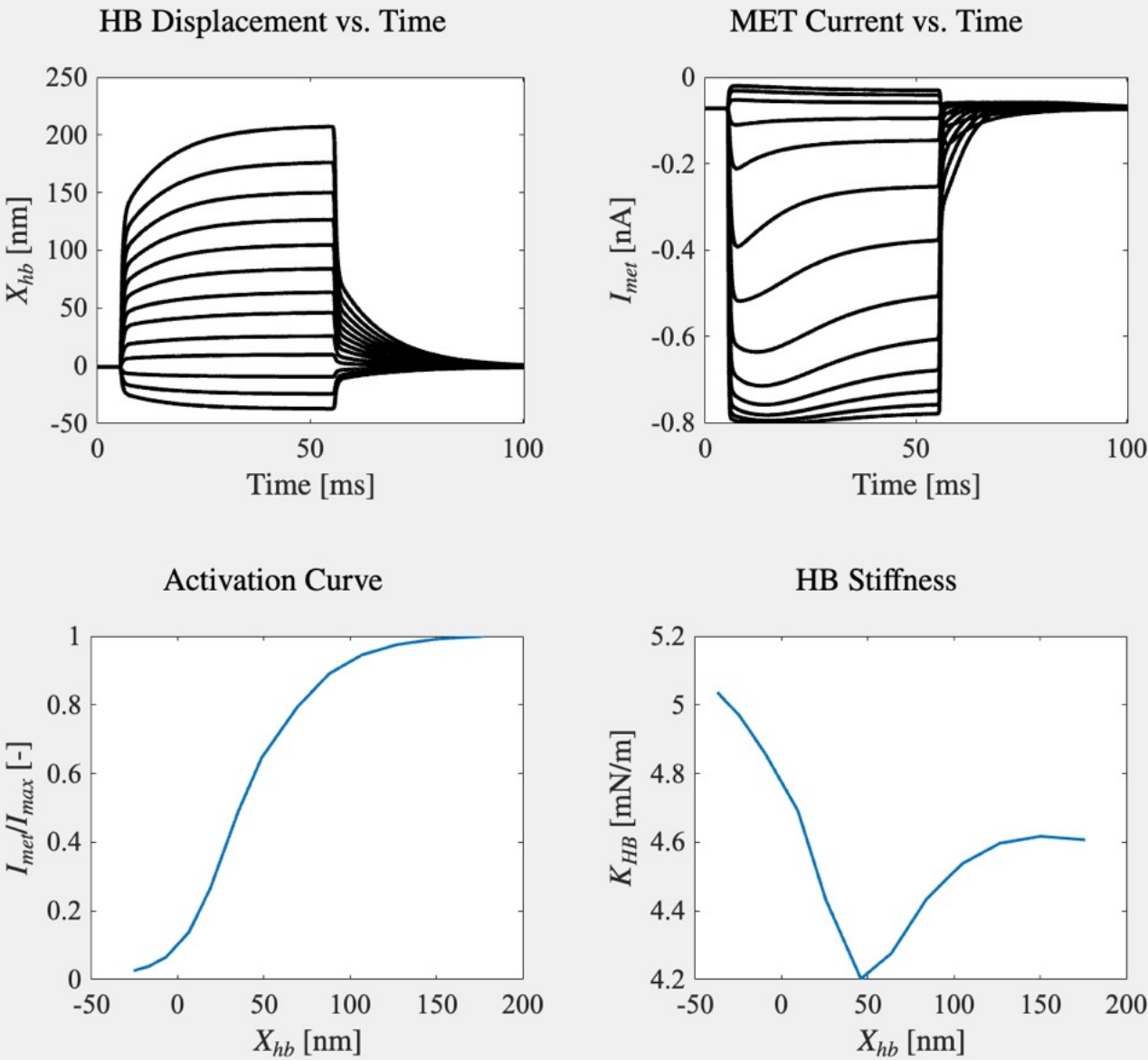
EP

mV

ΔV_{hb}^o

mV

Model Outputs



Run Progress and Other Outputs

Model Progress

Geometric relations computed.

Probability relations computed.

Initiating the Runge-Kutta solver.

Finished numerical solution.

Plotting the results.

P_{o1}^e

P_{o2}^e

HB Sensitivity [nm⁻¹]

Run Time [s]

Hair Bundle Morphology

r_1

nm

r_2

nm

r_3

nm

l_{row_1}

μ m

l_{row_2}

μ m

l_{row_3}

μ m

b_{12}

μ m

b_{23}

μ m

l_1^{gs}

μ m

l_2^{gs}

μ m

N_s

N_{TL}

N_c

per TL

Update Geometry

Generate HB

Force Stimulus Properties

Rigid Probe Model

?

Off

☐

On

Static Force [pN]

?

Rise-Time [ms]

?

Force Duration [ms]

?

Force Off Time [ms]

?

Time Step [μ s]

?

Force Vector [pN]

?



Reset Properties

Run

