

Table S4: mechanical parameters for **Fig 8. Conservative planar motion of the body is chaotic at large amplitudes**. All segments are identical. Values given in larval units (seg = resting segment length, segmass = mass of a single segment boundary, nondim = dimensionless/nondimensional).

symbol	description	value
l	equilibrium segment length	1 seg
m	segment mass	1 segmass
k_a	axial stiffness	3.15 segmass s ⁻²
k_t	transverse stiffness	8.45 segmass seg ² s ⁻² rad ⁻¹
k_c	incompressibility constraint stiffness	1000 segmass s ⁻²