

Supporting Information

Bastien et al. 10.1073/pnas.1214301109



Movie S1. Gravitropic movement of a wheat coleoptile, after an initial tilting at 90° from the vertical. Note that this wheat coleoptile never overshoot the vertical during the straightening process. Other coleoptiles in the experiment did not even reach the vertical even at their tip (not shown in the movie).

[Movie S1](#)



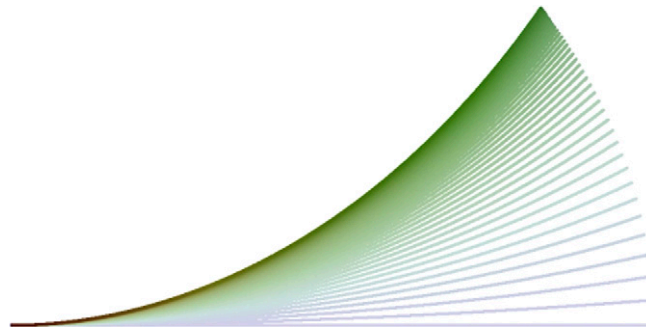
Movie S2. Gravitropic movement of an inflorescence of *A. thaliana* after an initial tilting at 90° from the vertical. The inflorescence of *A. thaliana* exhibited a transient C shape during the straightening process and overshoot the vertical.

[Movie S2](#)



Movie S3. Solution of the *A* model. The color (from blue to red) codes for the absolute value of the curvature $C(s,t)$. The simulated organ never reaches a steady state and oscillation increases along the organ.

[Movie S3](#)



Movie S4. Solution of the AC model, $B = 1$. The color (from blue to red) codes for the absolute value of the curvature $C(s,t)$. The simulated organ reaches a steady state but does not reach the vertical.

[Movie S4](#)



Movie S5. Solution of the AC Model, $B = 10$. The color (from blue to red) codes for the absolute value of the curvature $C(s,t)$. The simulated organ reaches a steady state after exhibiting a transient S-shaped mode during the process.

[Movie S5](#)

Other Supporting Information Files

[SI Appendix \(PDF\)](#)