

# The Plant Cell Cortical Microtubule Array (CMA) DGG

# Introduction

## The Cortical Microtubule Array

- A coarse scale biomechanics DGG model for cortical microtubules (CMT) in the cortical microtubule array (CMA) of plant cells has been developed as an example and provides a guide for how to use DGGs to study the self-organization mechanisms of CMTs.
- Key rules are bundling (a.k.a. zippering/entrainment), crossover, catastrophe.

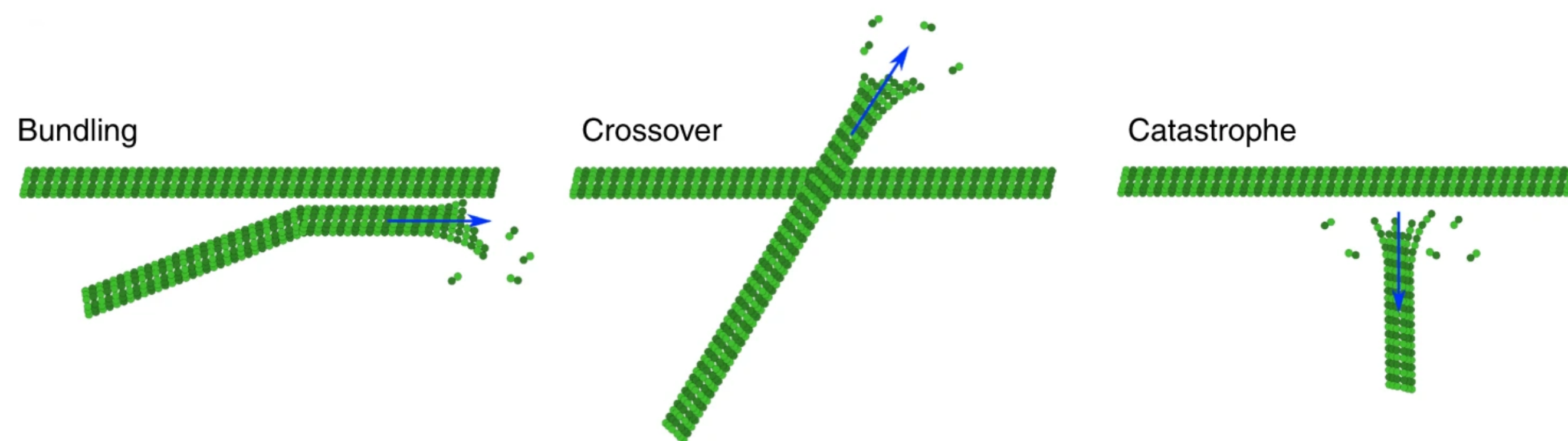


Figure 28: MT collision outcomes.

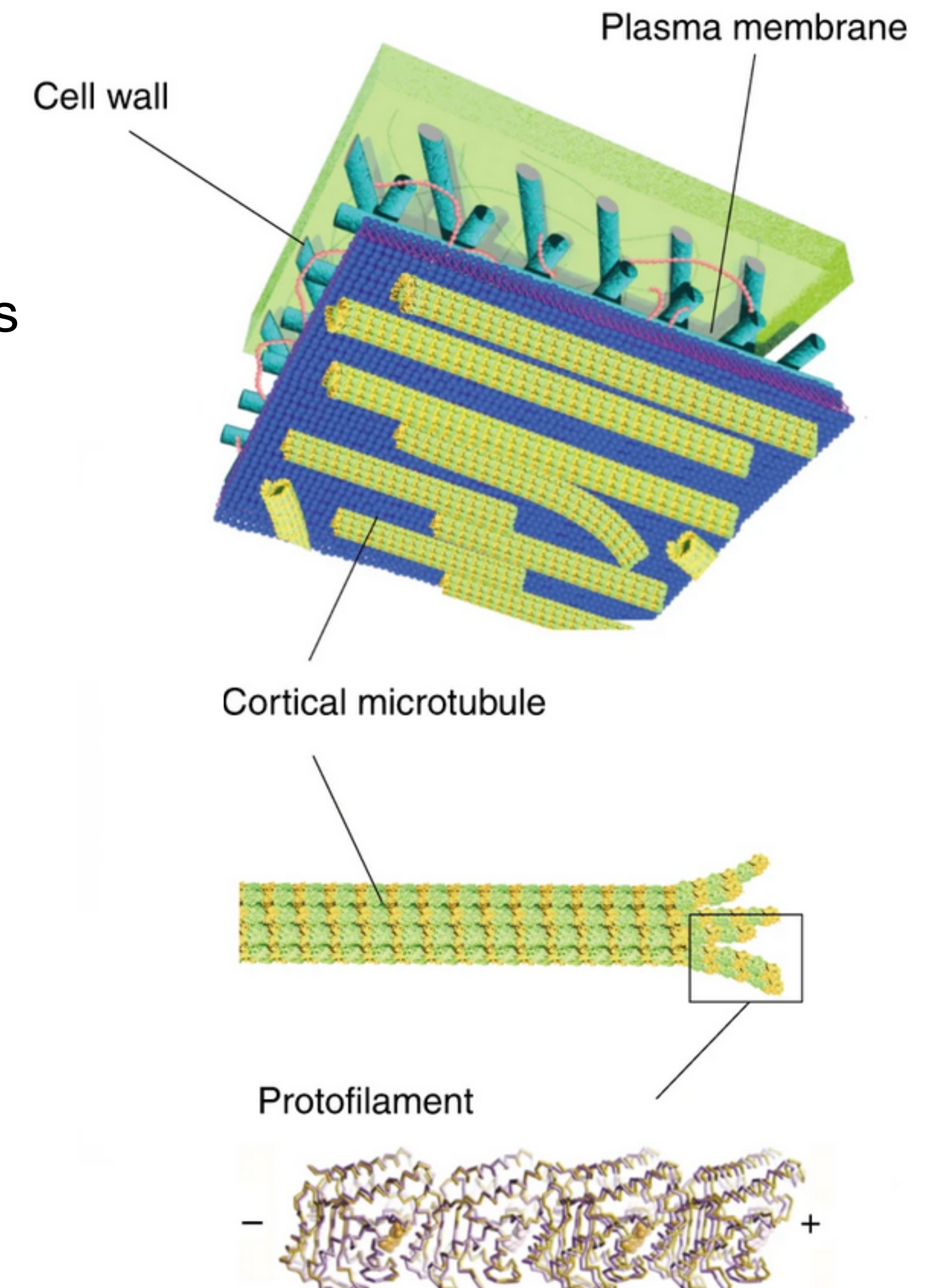


Figure 29: Overview of the CMA.