



Morphogenesis of rivers

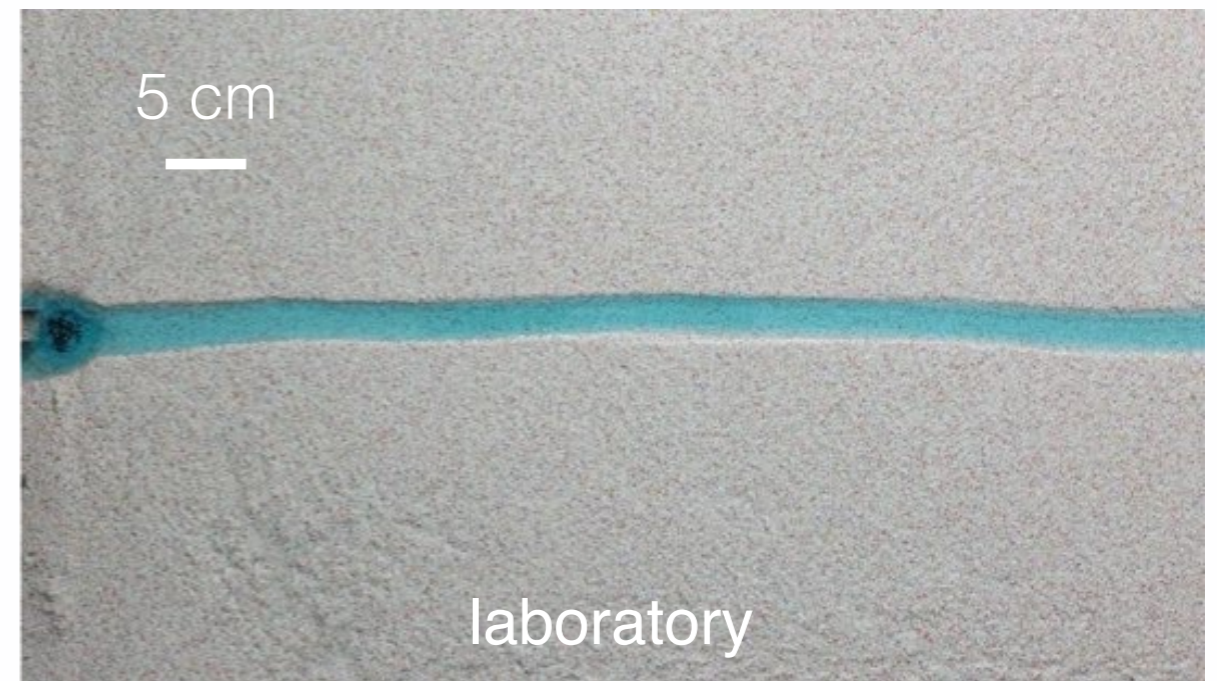
Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse

Institut de Physique du Globe de Paris, France



Morphogenesis of rivers

Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France

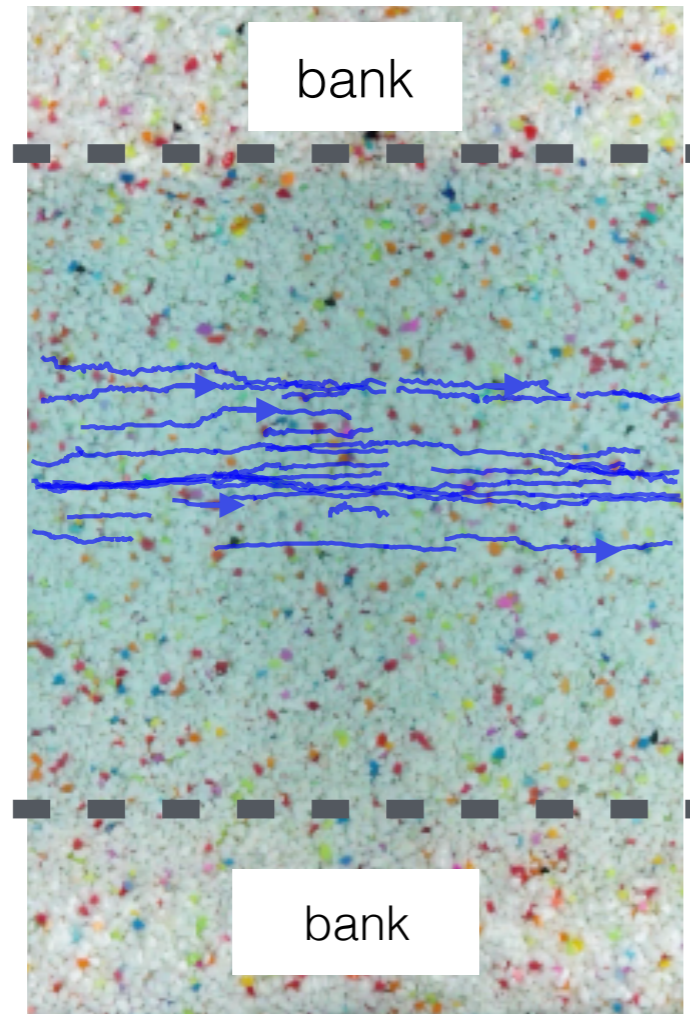




Morphogenesis of rivers

Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France

→
flow



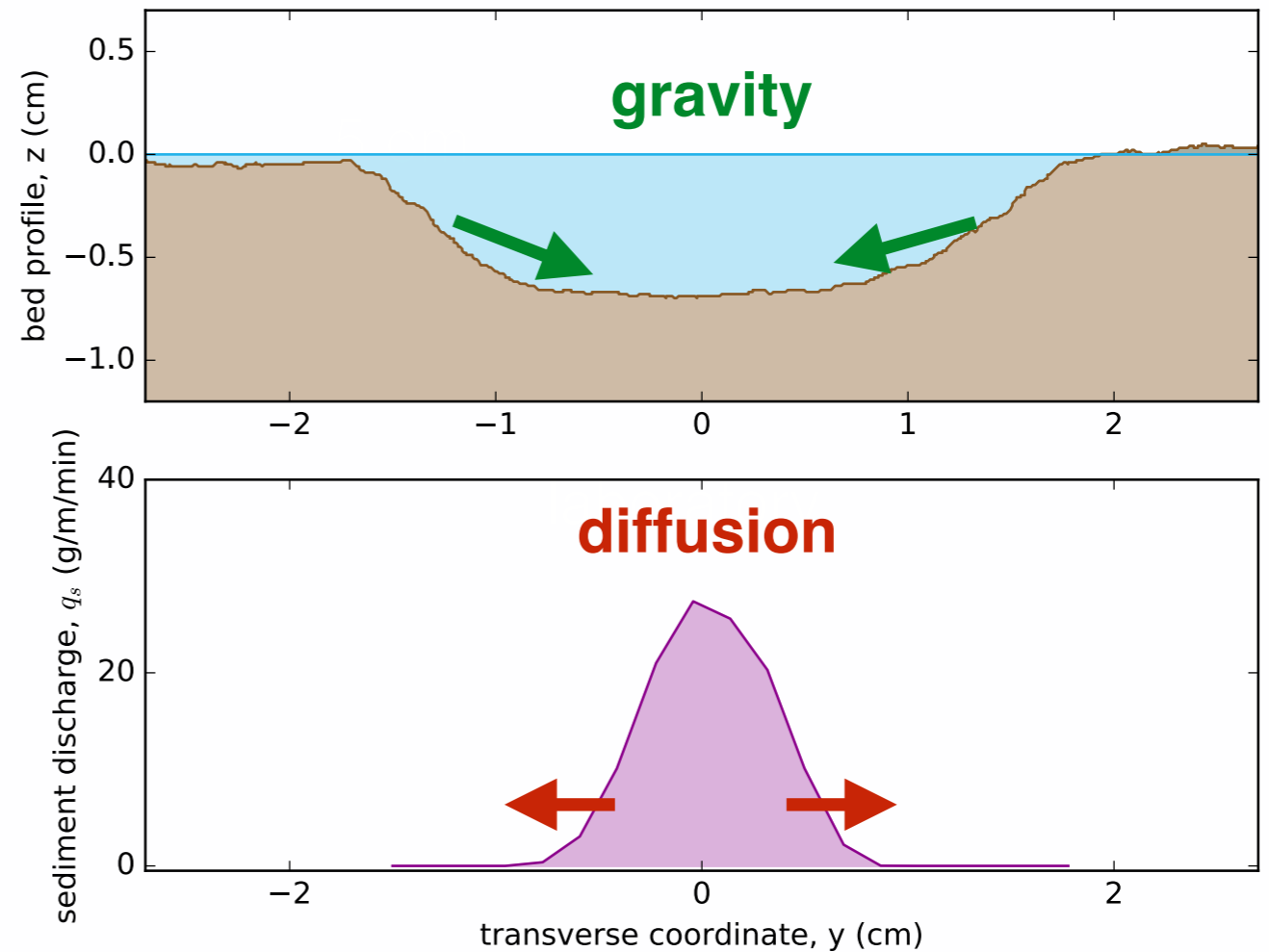
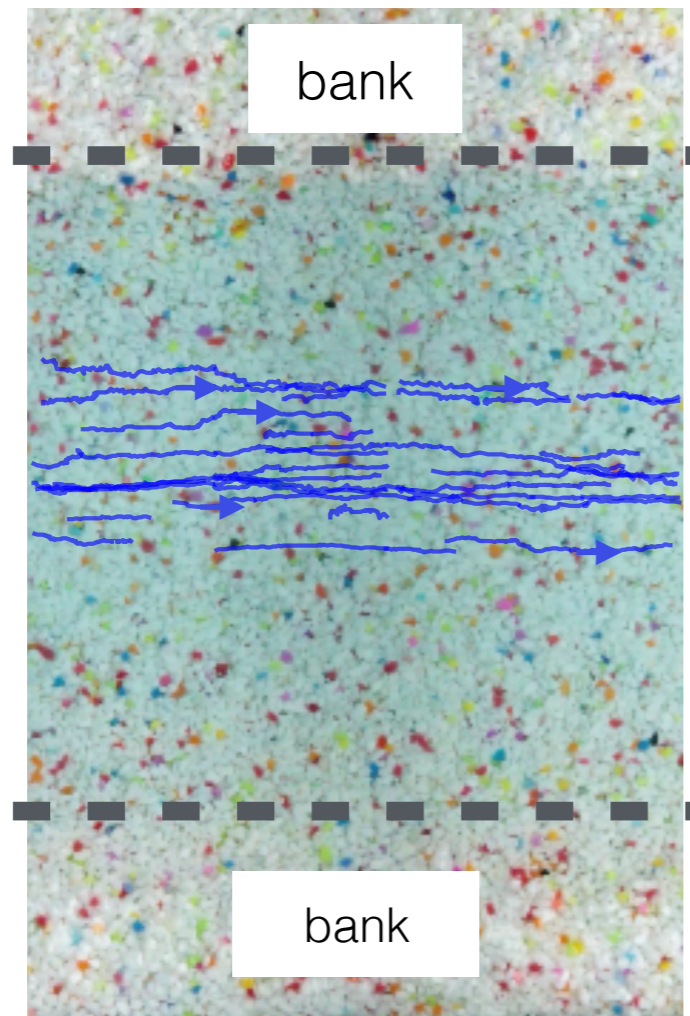
$$Q_w = 2L/\text{min}$$

$$Q_s = 1 \text{ g}/\text{min}$$



Morphogenesis of rivers

Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France



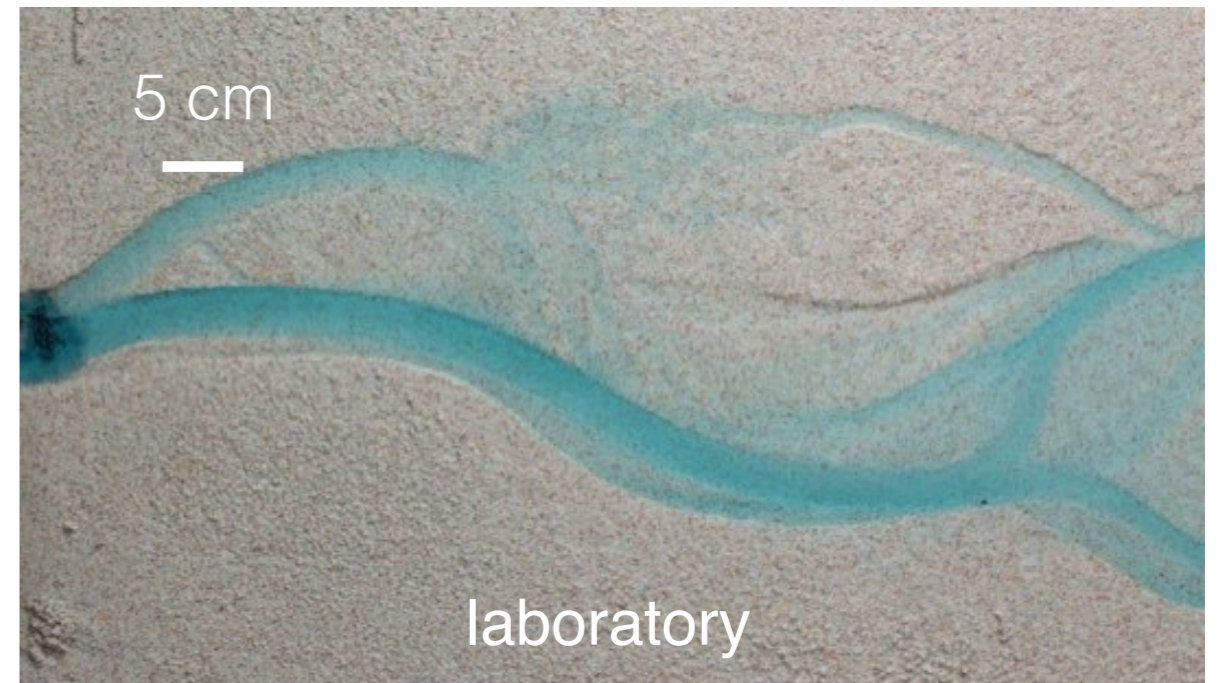
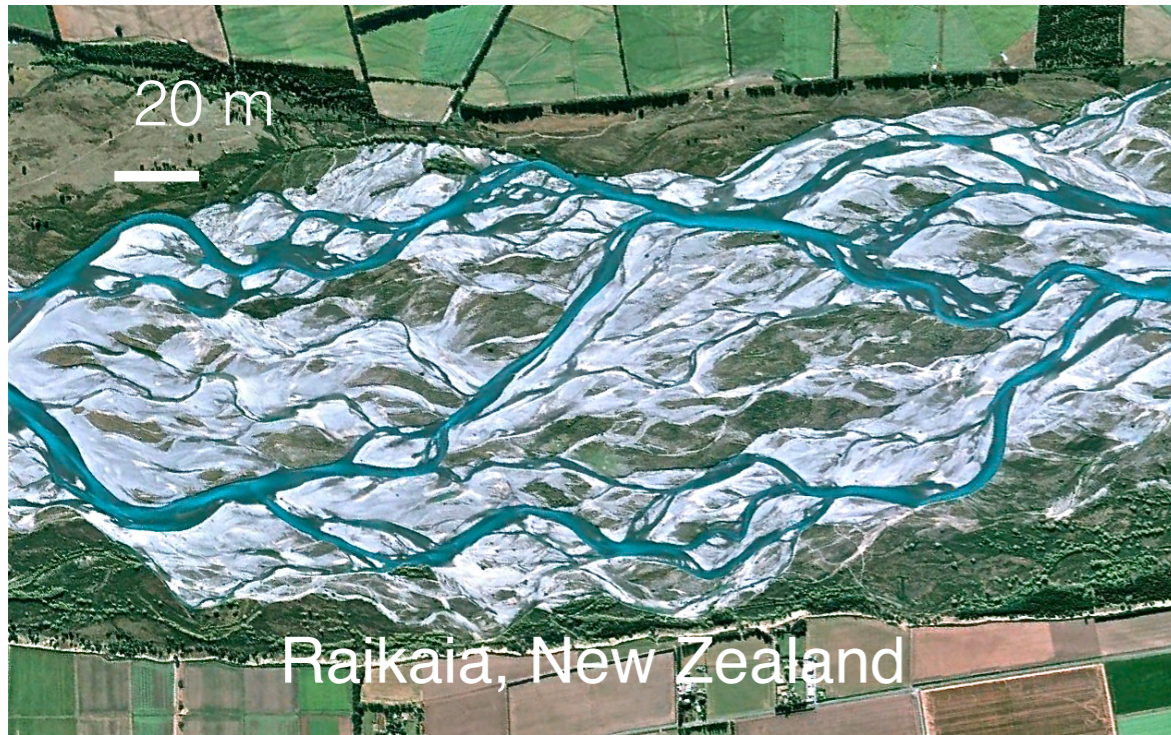
$$Q_w = 2L/\text{min}$$

$$Q_s = 1 \text{ g/min}$$



Morphogenesis of rivers

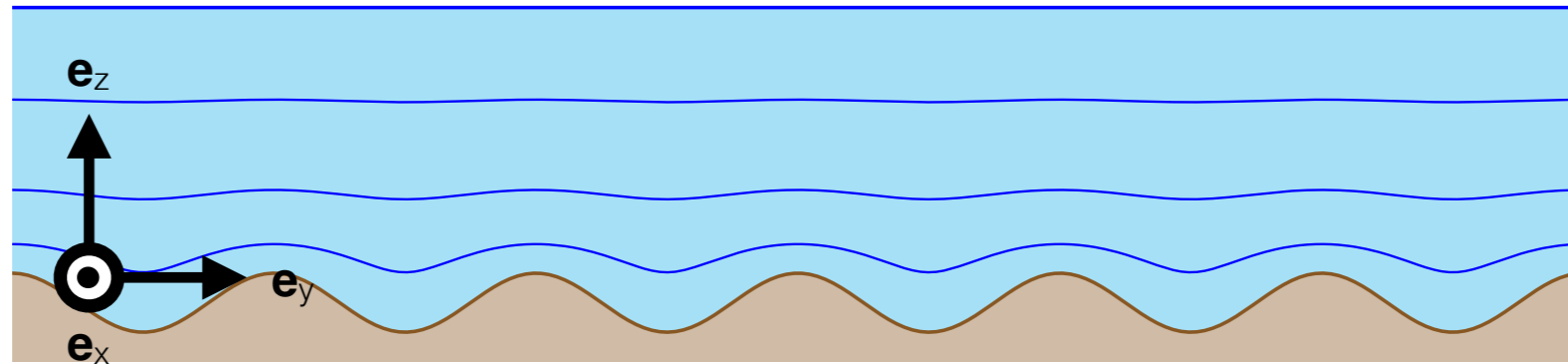
Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France





Morphogenesis of rivers

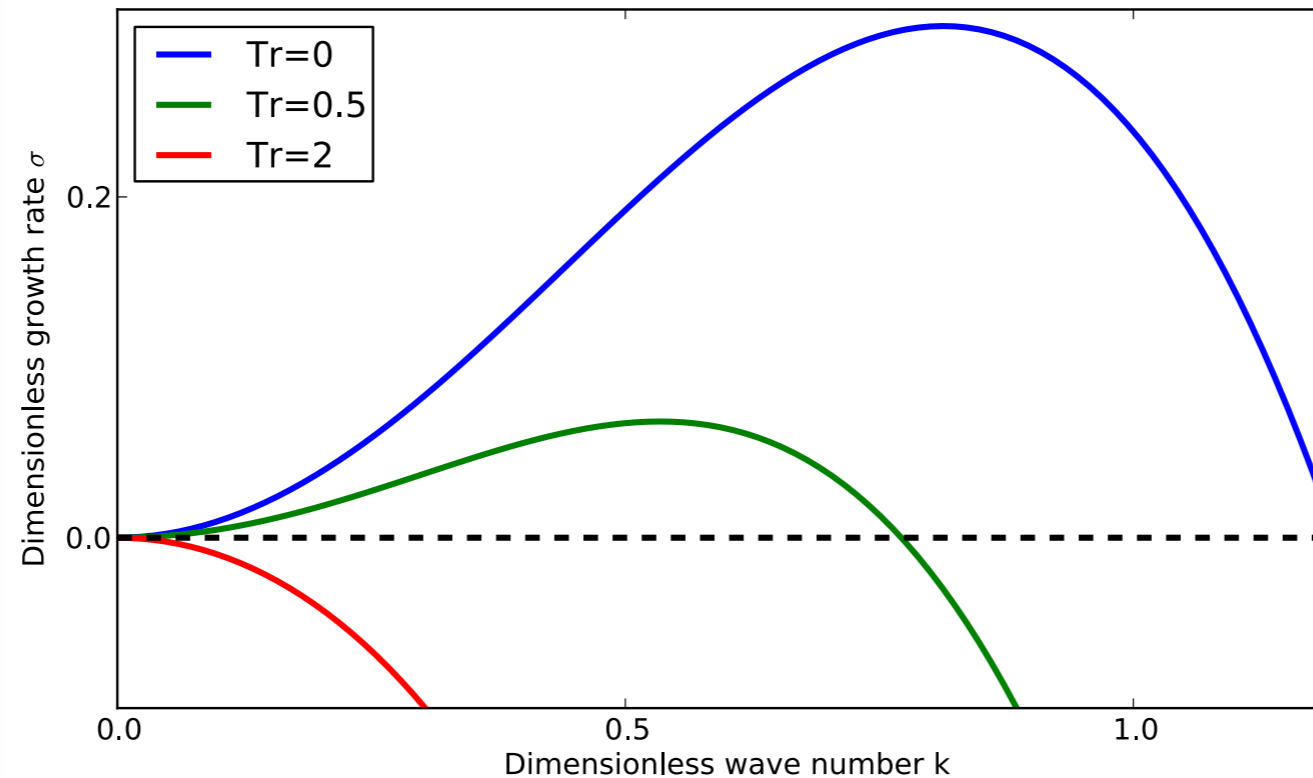
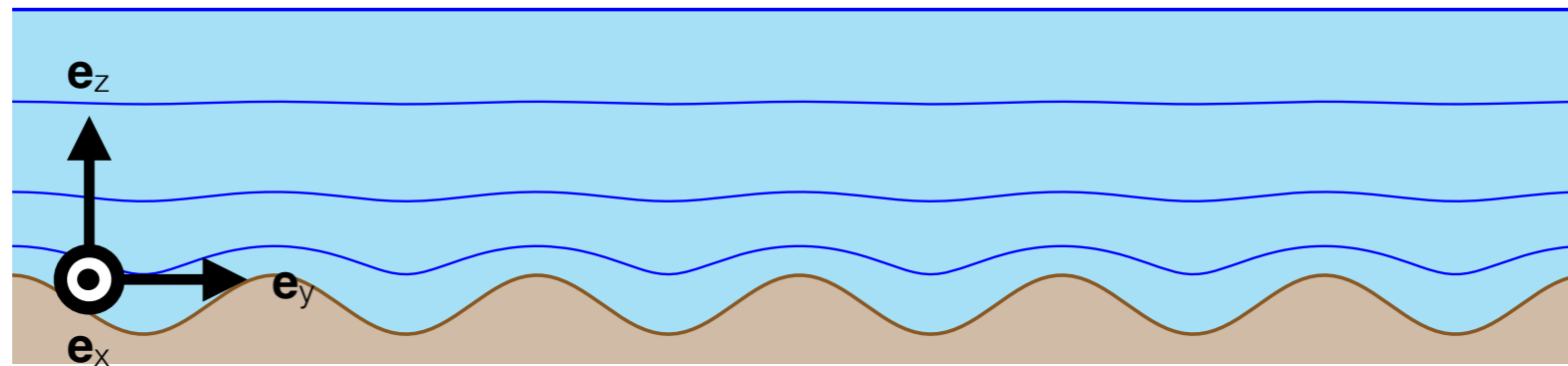
Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France





Morphogenesis of rivers

Anaïs Abramian, Olivier Devauchelle and Eric Lajeunesse
Institut de Physique du Globe de Paris, France



$$\sigma = (1 - Tr)k^2 - \tanh(k)k^3$$