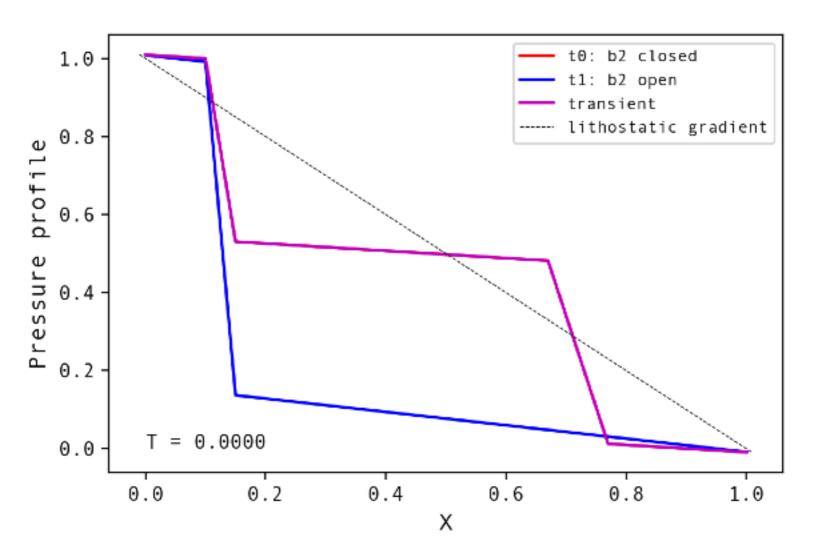
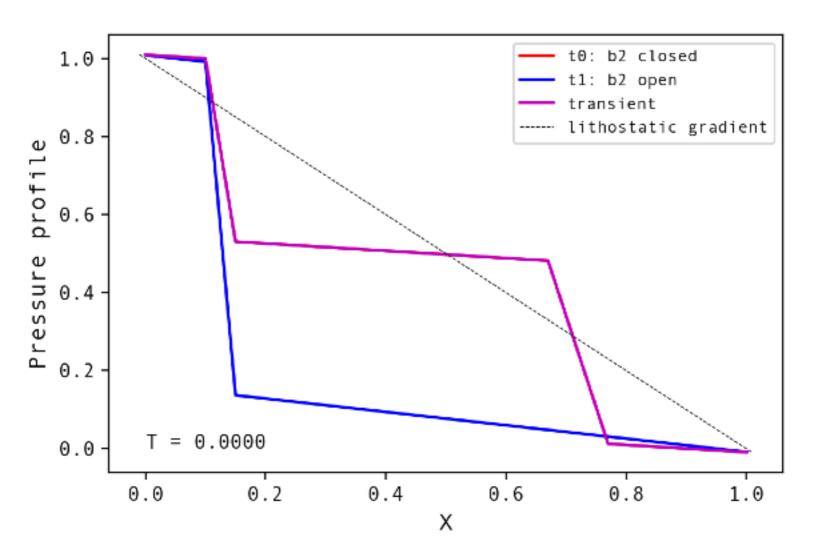
# Around permanent regime

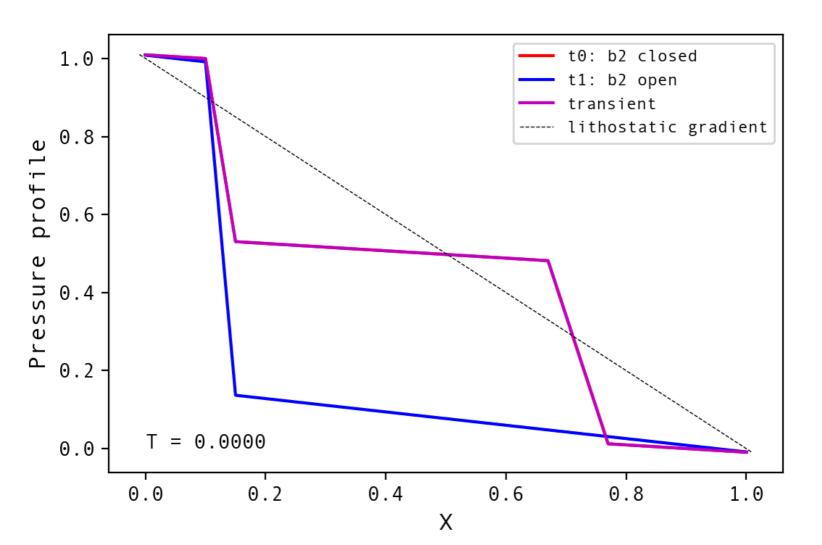
## (a) PP boundaries: transient from valve breaking

**Experiment:** - Init. equilibrium pore-pressure profile when 2 valves are closed, but valve nb2 is open (k\_b = k\_bg). Observe the propagating transient Observation. transient progresses from one valve to the other, to redistribute total dP on background segments and barriers. dP across remaining valve is increased (closer to failure?) overpressure (above lithostatic gradient) is decreased (brought further from failure?)









# Around permanent regime

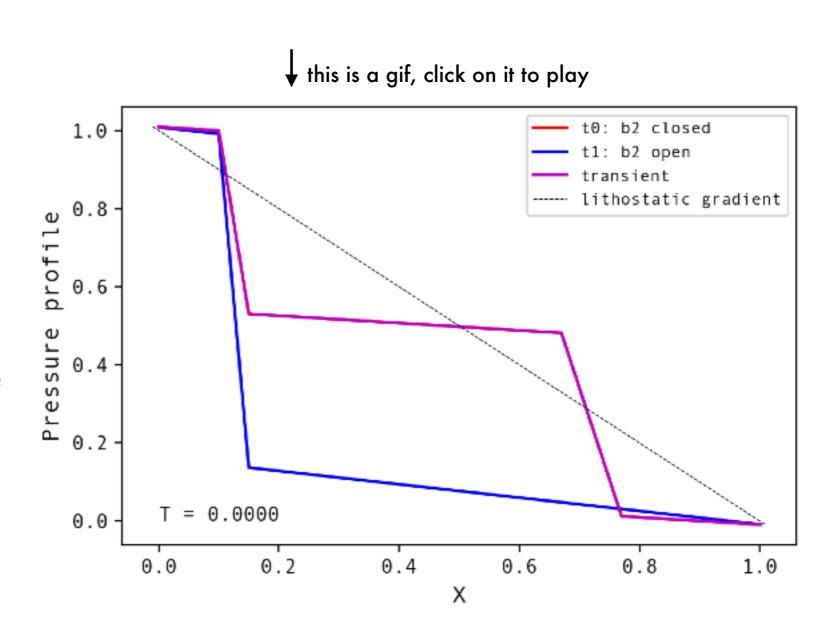
## (a) PP boundaries: transient from valve breaking

### **Experiment:**

- Init. equilibrium pore-pressure profile when 2 valves are closed, but valve nb2 is open (k\_b = k\_bg).
- Observe the propagating transient

#### Observation:

- transient progresses from one valve to the other, to redistribute total dP on background segments and barriers.
- dP across remaining valve is increased (closer to failure?)
- overpressure (above lithostatic gradient) is decreased (brought further from failure?)



# Around permanent regime

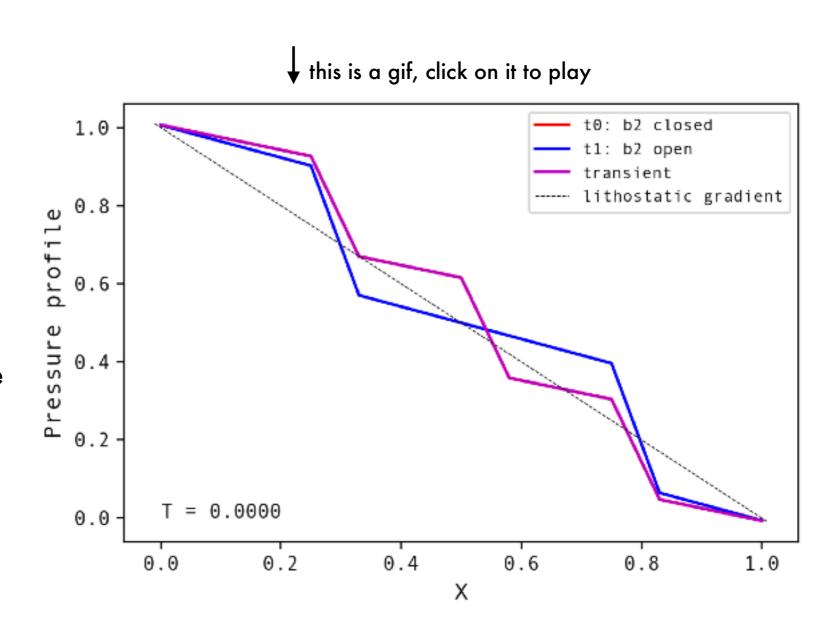
## (a) PP boundaries: transient from valve breaking

### **Experiment:**

- Init. equilibrium pore-pressure profile when 3 valves are closed, but valve nb2 is open (k\_b = k\_bg).
- Observe the propagating transient

#### Observation:

- transient progresses from one valve to the others, to redistribute total dP on background segments and barriers.
- dP across remaining valves is increased (closer to failure?)
- overpressure (above lithostatic gradient) is decreased downdip and increased updip



Depending on opening conditions, their might be a directional effect on valve activation