

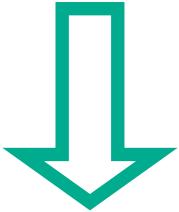
Neighboring valves are brought closer to breaking: cascading interaction.

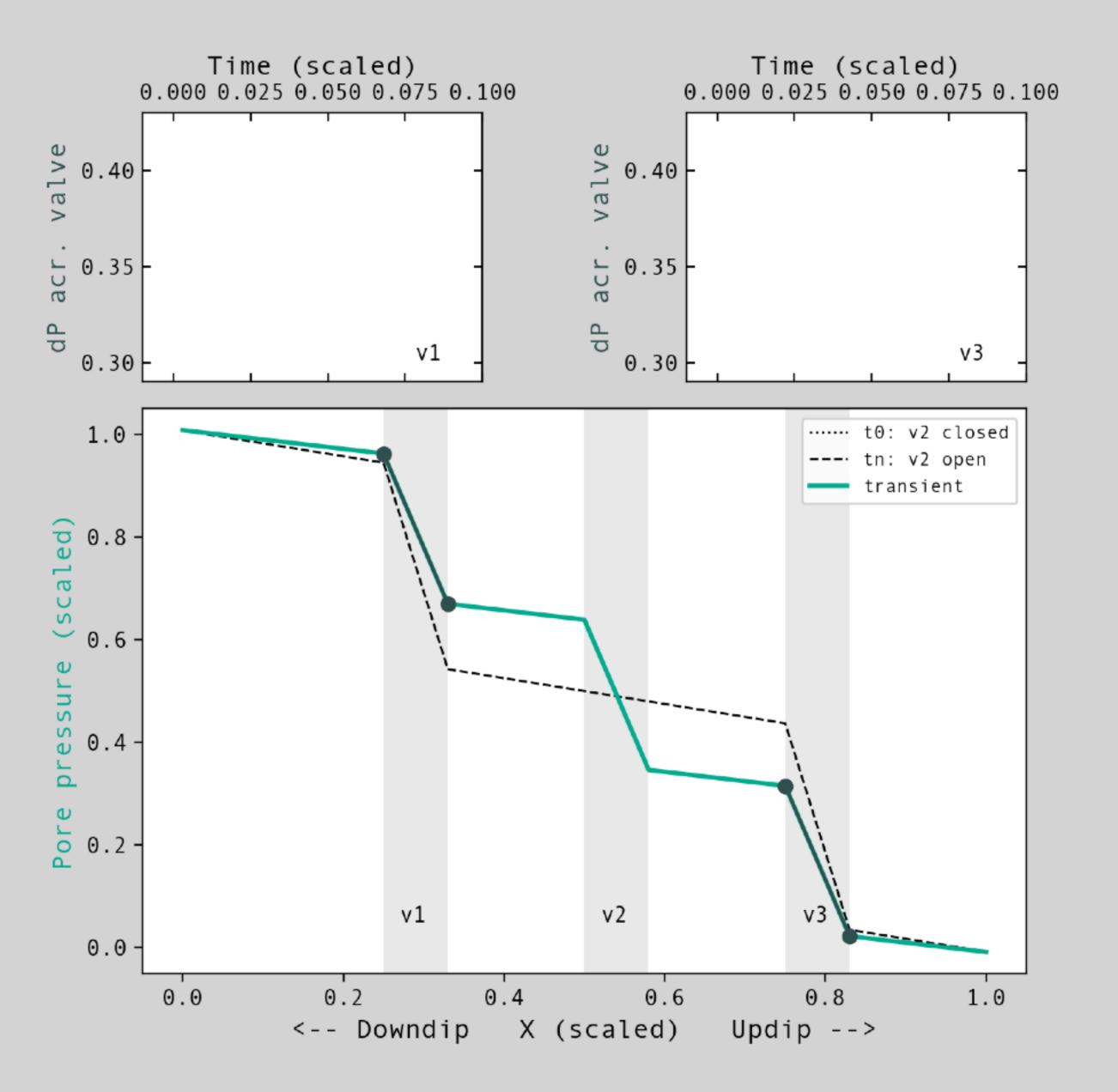
In our 1D, fluid-saturated, permeable fault zone, pore-pressure diffuses.

Valves interact through pore-pressure transients

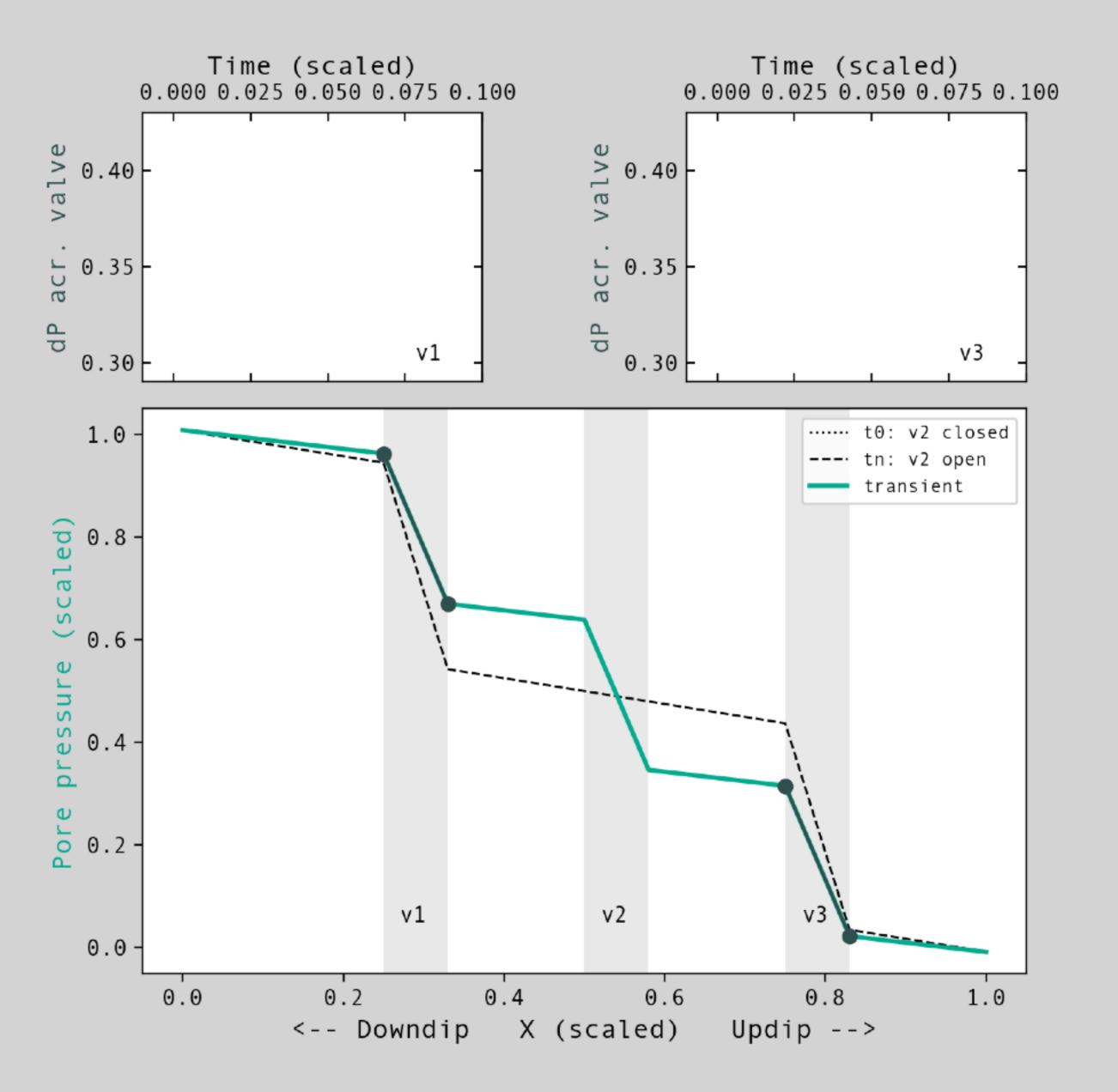
When a valve breaks open:

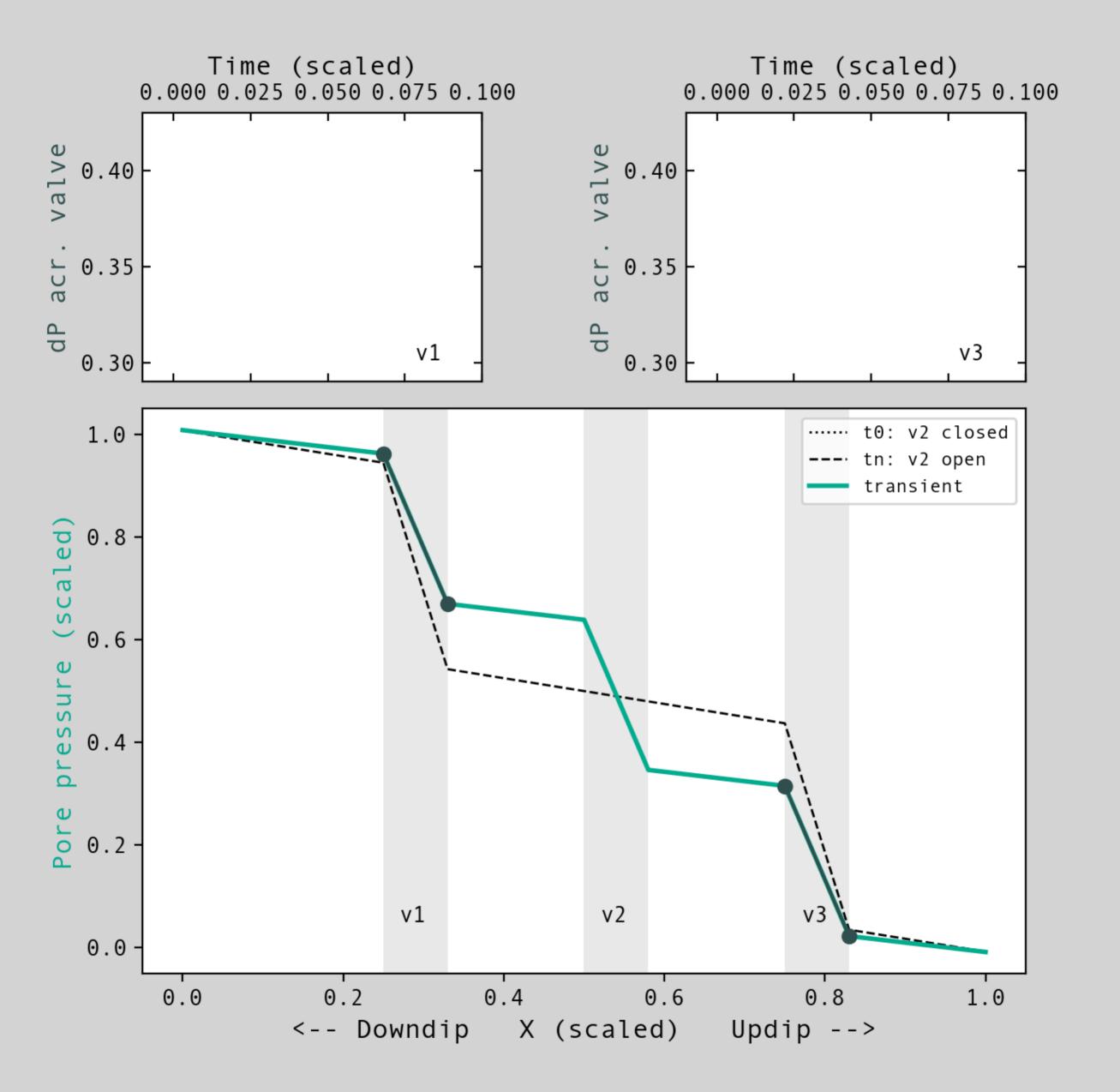
A pore-pressure transient propagates to neighboring valves





^ Click on the animation to run it! ^



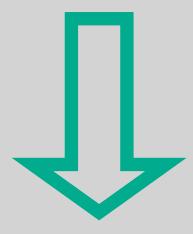


Valves interact through pore-pressure transients

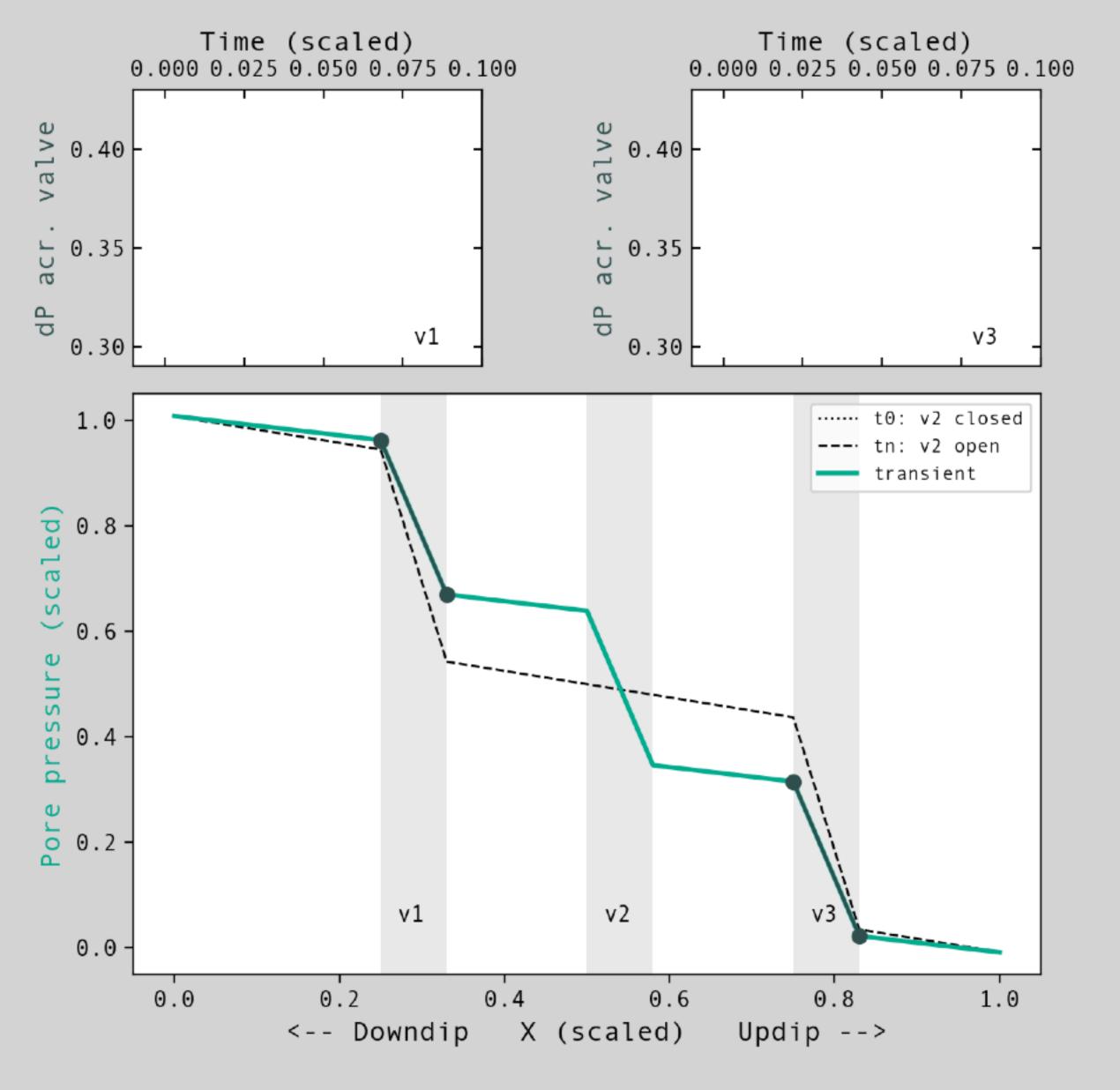
In our 1D, fluid-saturated, permeable fault zone, pore-pressure diffuses.

When a valve breaks open:

 A pore-pressure transient propagates to neighboring valves



 Neighboring valves are brought closer to breaking: cascading interaction.



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Burst-like patterns of activity emerge from interactions

