

Modelli computazionali multifisici

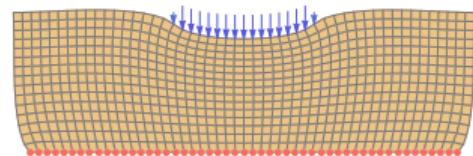
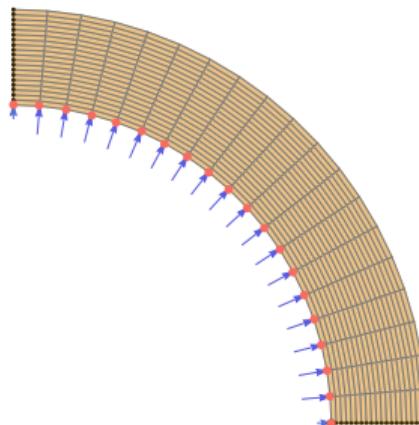
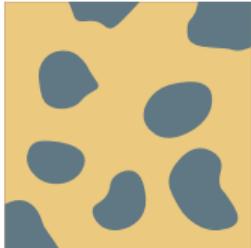
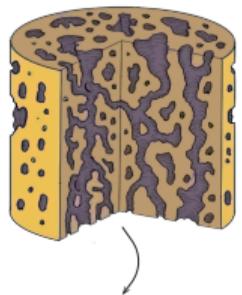
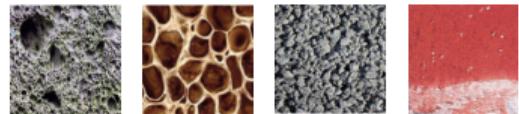
Poroelasticità e accoppiamenti chemo-meccanici

Alessandro Mastrofini

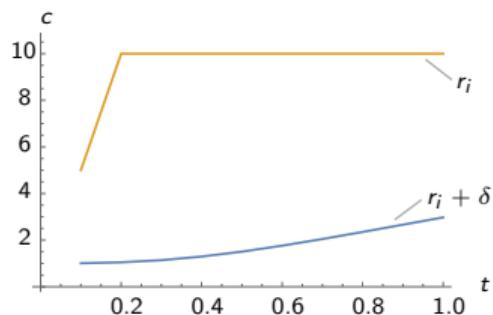
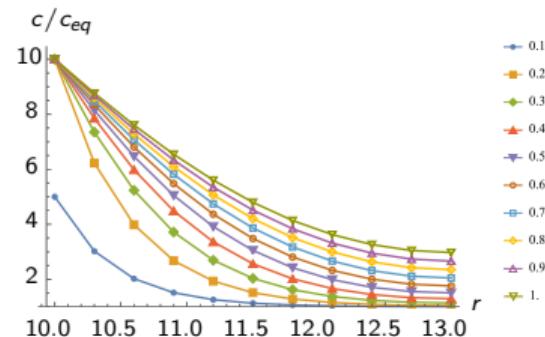
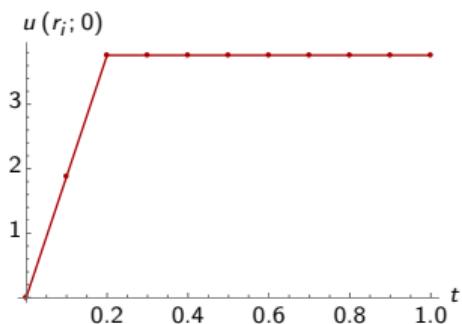
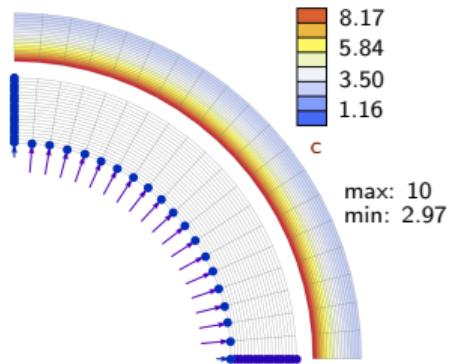
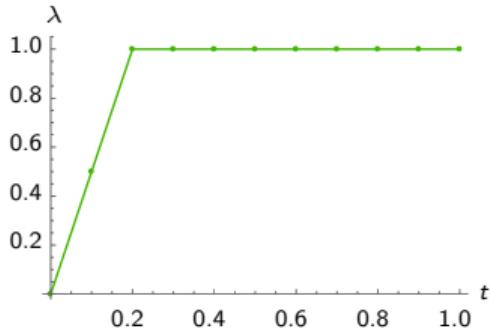
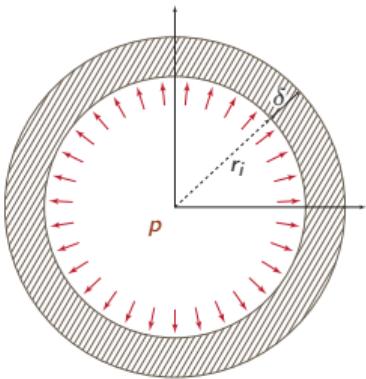
Meccanica Computazionale dei Tessuti e Biomateriali
Università degli Studi di Roma Tor Vergata

2022

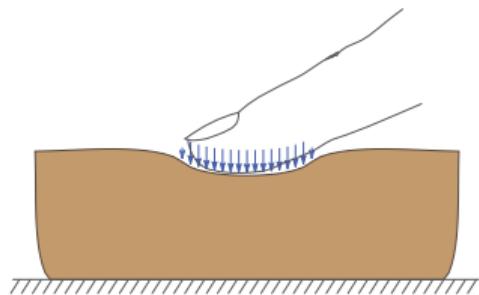
Multiphysics



Uncoupled response

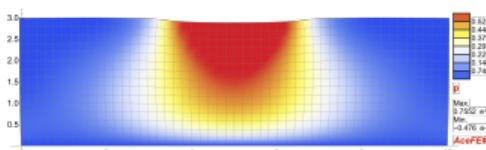


Poroelasticity

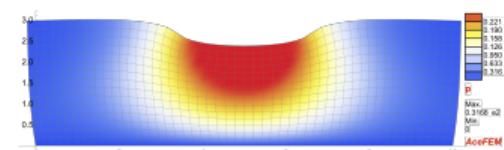


$$\Omega_f (c - c_0) = \zeta = \alpha \varepsilon_{vol} + \frac{p}{M}$$

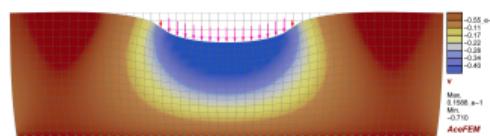
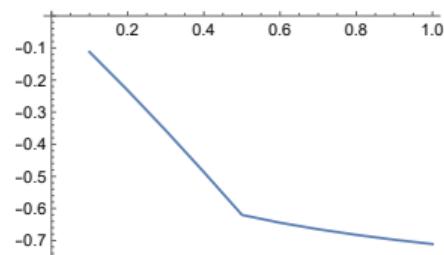
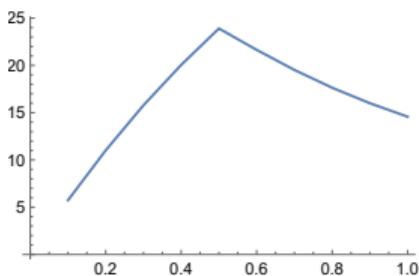
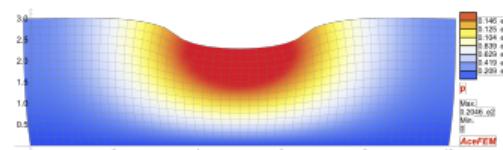
FIG



p



$v(L/2,H)$



Drained conditions

Simmetry
