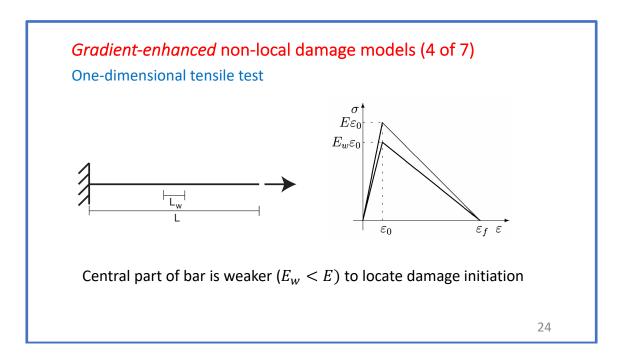
## **Damage mechanics**



- 1. Run the text (main file: UniaxialTest.m) with the parameters given.
- 2. Explore the incremental-iterative solver (file NewtonRaphson.m). Identify the outer loop in load-steps and the inner loop in iterations.
- 3. Confirm mesh objectivity by running the test with different meshes.
- 4. Explore the influence of characteristic length in the mechanical response.
- 5. Replace the central "interface" (i.e. weaker part) by two interfaces at L/3 and 2L/3.
- 6. Explore the effect of a different modulus  $E_w$  at each interface.