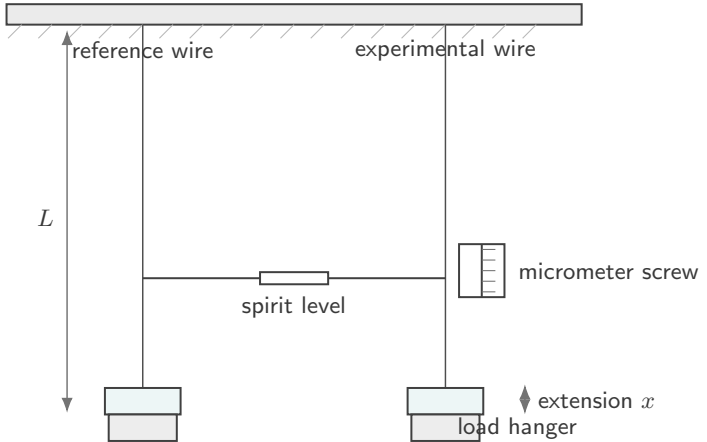


Searle's apparatus for Young's modulus



The experimental wire extends when load is added. The micrometer reading needed to bring the bubble back to the centre gives the extension.