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### **Strength of materials - Wikipedia**

Hydraulic engineering as a sub-discipline of civil engineering is concerned with the flow and conveyance of fluids, principally water and sewage. One feature of these systems is the extensive use of gravity as the motive force to cause the movement of the fluids. This area of civil engineering is intimately related to the design of bridges, dams, channels, canals, and levees, and to both ...

### **Hydraulic engineering - Wikipedia**

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### **Stress (mechanics) - Simple English Wikipedia, the free**

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### **University of Calicut**

Self-locking Condition If the lowering torque is negative, the load will lower itself by causing the screw to spin without any external effort. If the lowering torque is positive, the screw is self-locking. Self-locking condition is  $\mu > \tan \lambda$  Noting that  $\lambda = \arctan \frac{l}{\pi d m}$ , the self-locking condition can be seen to only involve the coefficient of friction and the lead

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