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**Mechanical Design 1**

**Class Section 01**

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**Problem 1**

图片包含 游戏机, 截图, 桌子

描述已自动生成

**Solution:**

For this question, we are asked to determine the factor of safety of the beam associated with yielding for a round tube.

From Table A-8, I can know that

From the question, I can know that

Therefore, the factor of safety of the beam associated with yielding for a round tube is equal to

**Problem 2**

手机屏幕截图

描述已自动生成

**Solution:**

There are many types of suitable standard rolled wide-flanged beam, among which is the lightest. Therefore,