A. SolidWorks kinematics (Steps 1 and 2) – (20%)

    a) Overall model geometry (5%)

    b) SolidWorks kinematic analysis (15%)

B. Hand calculations (Steps 3 and 4) – (30%)

    a) Pins B and D analysis (shear and pullout) (15%)

    b) Motion analysis of Pin C (with A aligned on OAB if necessary) (15%)

C. "Optimize" the three members of the structure (Step 5) – (30%)

    a) Identify and display orientation of highest stress (10%)

    b) Redesign and rationale (20%)

D. Results from testing (Step 6) – (10%)

    a) Goal of minimized mass without failure

    b) Grade based on weight compared to other teams

E. Quality of Report and Writing (Step 7) – (10%)

    a) Readability and conciseness

    b) Grammar and spelling

    c) Report format (Table of Contents, page #s, list of figures, figures referenced in text, etc.)

Total _____

Comments: