

NATIONAL ENGINEERS WEEK
22 FEB – 28 FEB 2003



American Institute of Aeronautics and Astronautics

*THE UNITED STATES NAVAL ACADEMY
CHAPTER OF THE
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS (AIAA)
INVITES YOU TO COMPETE IN:*

THE PAPER AIRPLANE CONTEST

This competition will test your knowledge of engineering, aerodynamics, origami, and ingenuity by challenging you to construct a paper airplane that will be flight tested. At a given weight and speed, an aircraft's rate of descent in a glide is directly related to its aerodynamic efficiency. A good aerodynamic design will stay in the air longer, and glide further than a poor aerodynamic design. The paper airplane constructed will be evaluated on its ability stay aloft a long time (time of flight).

RULES

1. Build a paper airplane out of the materials provided. Standard copier paper stock (8.5" x 11") will be available for construction. A small amount of tape may be used in the construction. The entire sheet of paper must be used, although it may be folded anyway you like.
2. Each entry will be flight tested for time of flight. The paper airplane must be hand launched from the top tier of a large auditorium (Rickover Hall 102). The flight begins when the airplane leaves the hand and ends when the airplane touches any object in the auditorium.
3. Each team will have 5 minutes to construct their airplane from the paper stock provided. The score will be computed as the longest time of flight out of five attempts.
4. Midshipmen will oversee and judge the competition.
5. Prizes will be awarded to the top three entries.

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