U3\_L1\_ALL3

Installation instructions

(https://www.grc.nasa.gov/WWW/K-12/airplane/javaset.html)

Before running the simulator, you will need to modify the Java settings on your machine. Be sure that the latest version of Java is installed.

**ON-LINE version**

1. On your computer, locate and open the Java settings.
2. Go to "Programs" - select "Java".
3. Select “Security” - select High for the security level.
4. Select "Advanced" - scroll down to "Mixed code (sandboxed vs. trusted) security verification" - select "Enable - hide warning and don't run untrusted code" or "Disable verification (not recommended)".
5. Click on the **Edit Site List** button.
6. Click the **Add** in the Exception Site List window.
7. Click in the empty field under Location field and enter the URL: https://www.grc.nasa.gov/WWW/K-12/airplane/foil3.html.
8. Click **OK** to save the URL that you entered.
9. Click **Continue** on the Security Warning dialog.
10. Open the simulator by going to the following URL: <https://www.grc.nasa.gov/WWW/k-12/airplane/foil3.html> Note: This website will not work while using Google Chrome. (Mozilla Firefox and Internet Explorer had the most consistent compatibility during testing) If prompted to allow Java, select Run

**OFF-LINE - the following instructions work for the Windows Operating System**

1. Go to "Programs" - select "Java"
2. Select "Advanced" - scroll down to "Mixed code (sandboxed vs. trusted) security verification"
3. Select "Enable - hide warning and don't run untrusted code" or "Disable verification (not recommended)"

When you attempt to run our applets you will now receive a banner warning that Java programs can be dangerous, and asking whether you still want to execute the program. If you select "yes", the programs will execute as before for most applets. Some applets display animated .gif images. The downloaded version of these applets do not display the images, while the on-line version show the images.

**OFF-LINE - the following instructions work for Mac OS**

Launch the above instructions. Now, create a Site Exception list to allow you to run the NASA applets. The exception site list is managed in the **Security** tab of the Java Control Panel. To add, edit or remove a URL from list, find and click **Edit Site List** and follow the directions:

Add a URL

1. Click on the **Edit Site List** button.
2. Click the **Add** in the Exception Site List window.
3. Click in the empty field under Location field and enter the URL.
4. Example: C:\FoilSim\FoilSim.html
5. Click **OK** to save the URL that you entered.
6. Click **Continue** on the Security Warning dialog.