Graphical Analysis and Video Analysis

Guide to downloading and using Vernier software

The two software packages from Vernier are the tools we'll use in the lab to collect and analyze data from sensors (Graphical Analysis), and analyze motion frame by frame from video (Video Analysis).

Download and Install Graphical Analysis

The Pro version is unlocked with a subscription supported by the Department of Natural Sciences. The license key for 2022-2023 is JZxRPryjp.

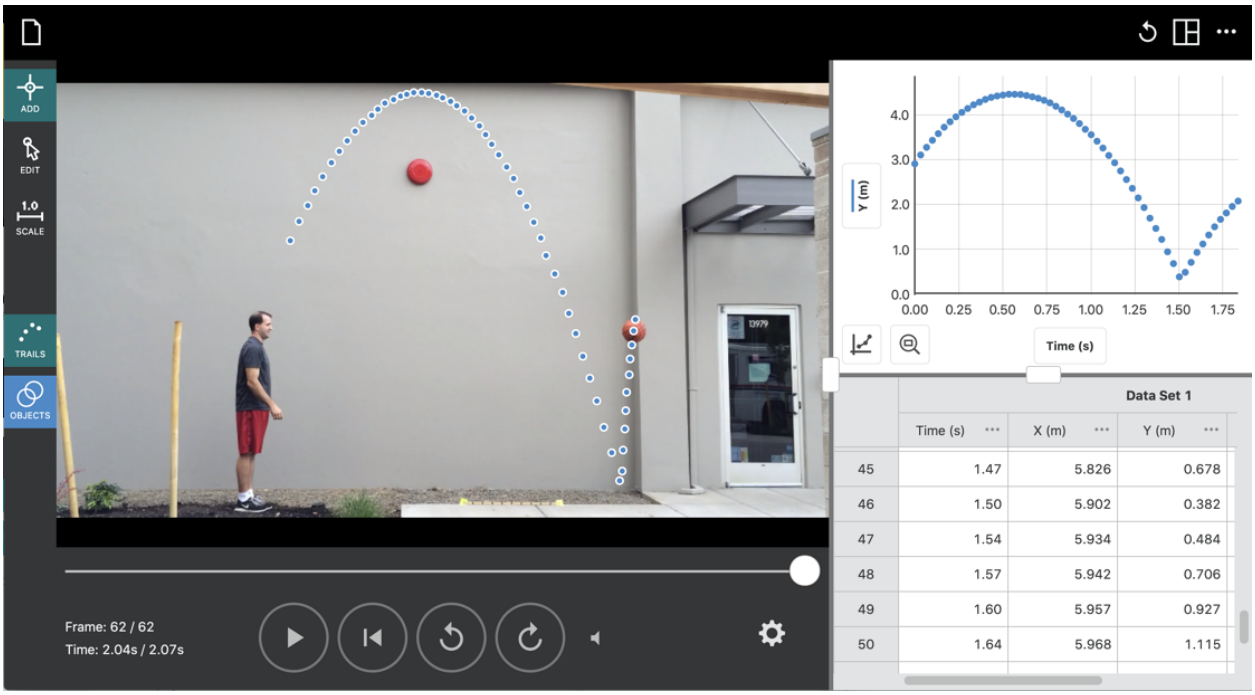
Here are some tips for using the app with your new license key.

If you haven't done so already, download and install Vernier Graphical Analysis™ on your device. (Or, try https://www.vernier.com/support/ga4/ as an alternate site for downloads and manual)

Once you launch Vernier Graphical Analysis, it will display a welcome screen with a field titled "Activate additional features with your License Key." Type or paste your license key into this field and click Submit. You'll need to repeat this process for additional devices.

Graphical Analysis Pro saves work as .gambl files, which can be opened by Graphical Analysis version 5 whether or not it's unlocked to Pro mode.

Use Video Analysis Online



Here is your site license key and access link to the Vernier Video Analysis® app. This site license key and access link will expire on July 1, 2023, and a new license key will be provided upon renewal.

Use the Site License key linked below to access Video Analysis in your browser. You'll be prompted to accept our app license terms when accessing the link below. You may also need to enter the email address of the subscriber, department head Daniel Ludwigsen (dludwigs@kettering.edu).

Site License Key

Ideas for using the app:

- Review the User Manual available in the app, and watch our Getting Started video.
- Give access to your students by sharing your unique URL via the Distribute App function in the app's Additional Options menu.

- When creating videos for analysis, place the camera on a line perpendicular to the plane of the motion.
- For accurate scaling, place an object of known length in the plane of the motion.
- The classic use of video-based analysis of motion is projectile motion. Graph the horizontal and vertical velocities and see the difference!

If you're having trouble with the button above, copy and paste the URL below into your web browser.

https://videoanalysis.app?key=1xlP1Rilh