This Java Applet plots the graph of the polynomial

$$p(x) = a_0x^{10} + a_1x^9 + a_2x^8 + a_3x^7 + a_4x^6 + a_5x^5 + a_6x^4 + a_7x^3 + a_8x^2 + a_9x + a_{10}$$

and its first and second derivatives.

You can control what is displayed by clicking on the top buttons in the right-hand control panel.

You can change the values of the coefficients a_i by either manipulating the sliders on the right, or by entering specific values from your keyboard. The coefficients are restricted. The window opening may similarly be modified by using the four bottom sliders in the right-hand panel. If you place your mouse on the graph and click the left mouse button, you may see a little black dot on the graph. Its coordinates are printed in the upper left hand corner of the graph. The program is still being fine-tuned, and it is my plan to include curves related to the graph, such as the evolutes and involutes.