

## Clickable links on for Colley, Chapter 4

Here are some YouTube – like videos on critical points and second derivative tests in several variables:

[http://www.teachertube.com/view\\_video.php?viewkey=66e98022e60843901fe3](http://www.teachertube.com/view_video.php?viewkey=66e98022e60843901fe3)

[http://www.teachertube.com/view\\_video.php?viewkey=683cc5d4b8b6a9efa330](http://www.teachertube.com/view_video.php?viewkey=683cc5d4b8b6a9efa330)

[http://www.teachertube.com/view\\_video.php?viewkey=0abf9734604ed79df2c1](http://www.teachertube.com/view_video.php?viewkey=0abf9734604ed79df2c1)

[http://www.teachertube.com/view\\_video.php?viewkey=0e24dd459f2d439fae30](http://www.teachertube.com/view_video.php?viewkey=0e24dd459f2d439fae30)

Here is a list of links involving Lagrange multipliers. Some are YouTube – like videos, and some of the others are interactive or animated.

<http://math.mit.edu/18.02/applets/LagrangeMultipliersTwoVariables.html>

[http://www.math.umn.edu/~rogness/multivar/lagrange/lagrange\\_demos.shtml](http://www.math.umn.edu/~rogness/multivar/lagrange/lagrange_demos.shtml)

<http://math.etsu.edu/Multicalc/Chap2/Chap2-9/index.htm>

[http://www.e3mlab.ntua.gr/courses/%CE%94%CE%99%CE%91%CE%A6%CE%91%CE%9D%CE%95%CE%99%CE%95%CE%A3\\_%CE%9F%CE%99%CE%9A.%20%CE%91%CE%9D%CE%91%CE%9B%CE%A5%CE%A3%CE%97%20%CE%95%CE%A0%CE%99%CE%A7/BasicMathematicalEconomics.pdf](http://www.e3mlab.ntua.gr/courses/%CE%94%CE%99%CE%91%CE%A6%CE%91%CE%9D%CE%95%CE%99%CE%95%CE%A3_%CE%9F%CE%99%CE%9A.%20%CE%91%CE%9D%CE%91%CE%9B%CE%A5%CE%A3%CE%97%20%CE%95%CE%A0%CE%99%CE%A7/BasicMathematicalEconomics.pdf)

[http://www.teachertube.com/view\\_video.php?viewkey=897b2eb1a665ce96fdef](http://www.teachertube.com/view_video.php?viewkey=897b2eb1a665ce96fdef)

[http://www.teachertube.com/view\\_video.php?viewkey=9898b1a9b3736df9bff7](http://www.teachertube.com/view_video.php?viewkey=9898b1a9b3736df9bff7)