Pre-Class Homework 22

Due: 5/29 23:59 (Wednesday)

Watch the following video clips and answer to the questions below.

Video Clips:

1. Complex Analysis: Functions of a complex variable. (31:00 to end)

2. Complex Analysis: Integrating complex functions.(until 27:00)

Questions:

1. Why do we need to specify a path C instead of writing the end points z_0 and z_1 for the integration of complex functions?

2. What is the value of $\oint_C f(z)dz$ if $f(z)$ is analytic?

3. What did you find difficult or confusing about the video clips? If nothing was difficult or confusing, tell us what you found most interesting. Please be as specific as possible.

Submit your answers here: `http://goo.gl/xzzkTn`