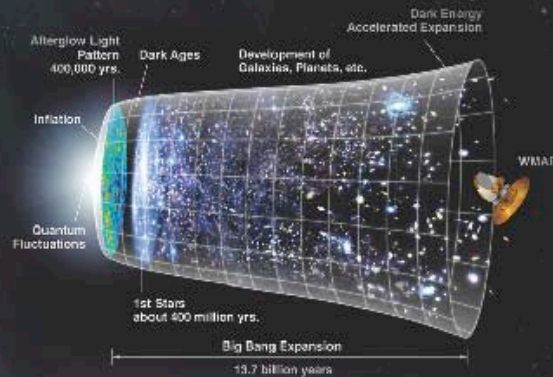


The Sound of the Beginning: Echoes of the Big Bang in the Night Sky

Goldman Public Talk



Date: Thursday, Nov. 17, 2011

Time: 6:00 pm

Place: Health and Public Affairs 125
University of Central Florida

Professor Liam McAllister

Department of Physics, Cornell University
Alfred P. Sloan Research Fellow

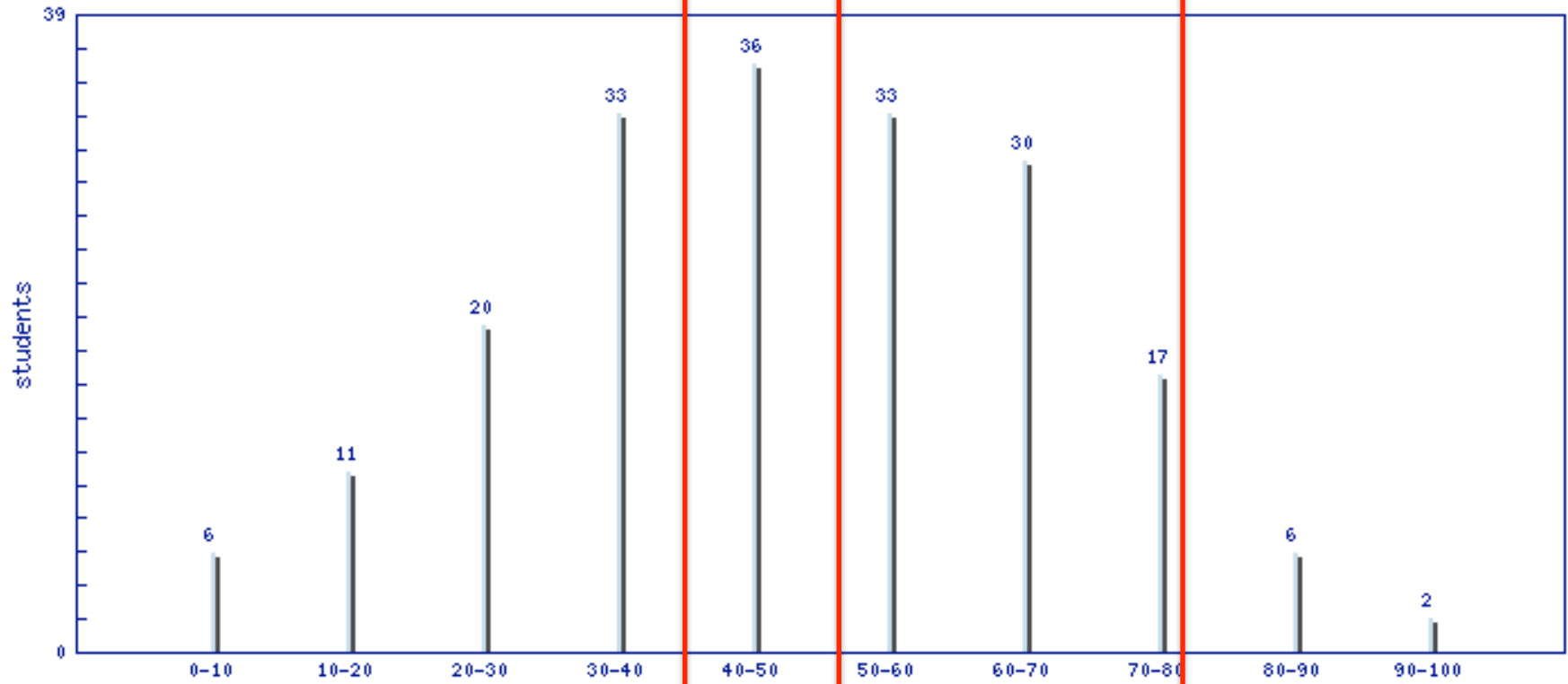


As a result:

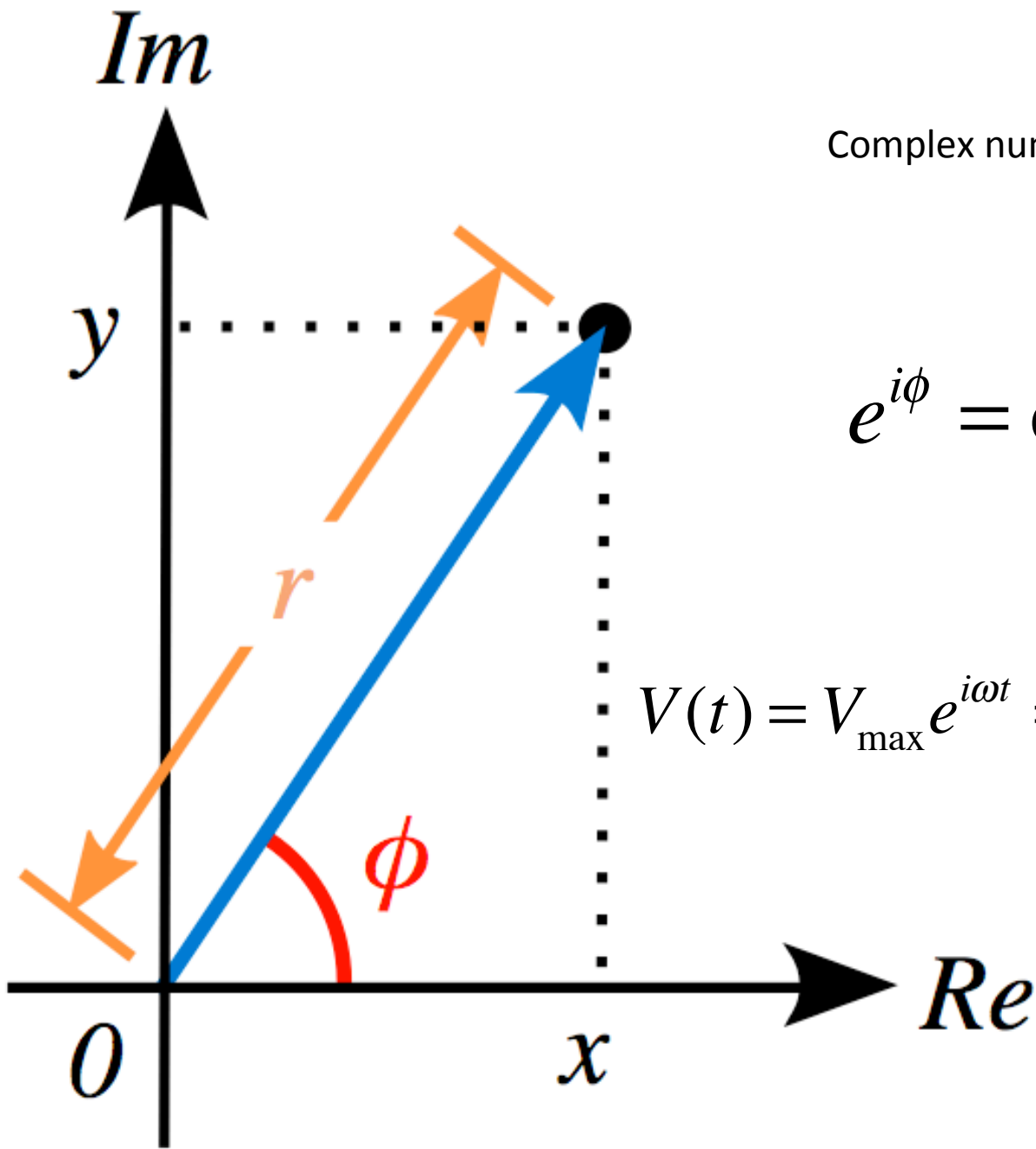
Office hours will start at 7
pm today and end at 8 pm

“Final”: so far : missing clickers, lab and final exam

Physics 2049c



15.00 15.00
40.00 60.00



Complex numbers:

$$e^{i\phi} = \cos \phi + i \sin \phi$$

$$V(t) = V_{\max} e^{i\omega t} = \cos(\omega t) + i \sin(\omega t)$$

Complex Impedances

$$Z_R = R$$

$$Z_L = i\omega L$$

$$Z_C = \frac{1}{i\omega C}$$