

Please write an outline of the main contents of the lecture.

- Glaukos $\frac{dP}{dx} = \partial/\partial x$
- f continuous on $[a, b]$ $y = f(t)$
- Every ans f has antiderivative
- Connection between derivatives / integration
- Area under the curve is

5/15/2015.

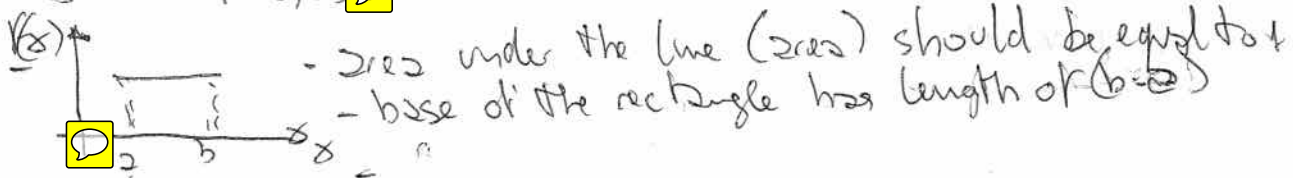
Summary / Search

Group 3 (B, C, A)
K S L.

Michele Rampa .

Please write an outline of the main contents of the lecture.

- Uniform Distribution (Probability)
- Random Variable equally likely to take any value between its lower and its upper limits
- $X \sim \text{Unif}(a, b)$



Please write an outline of the main contents of the lecture.

Trigonometry Formulae from Euler's Formula

• Euler's Formula $e^{ix} = \cos(x) + i\sin(x)$

• Prove that $\sin^2(x) + \cos^2(x) = 1$ \Rightarrow from Pythagorean Formula

$$\begin{aligned} 1 &= \cos^2 x - i \cos x \sin x + 1 \\ &\quad + i \sin x \cos x - i^2 \sin^2 x \end{aligned}$$

$$1 = \cos^2(x) + \sin^2(x)$$

• Angle Sum Formulae