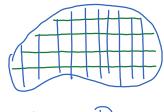
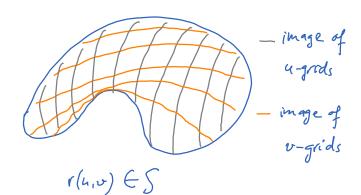
Finding surface area

Tuesday, April 6, 2021

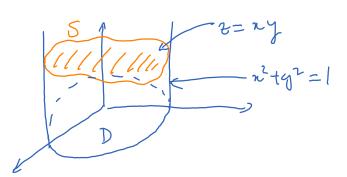
7:19 AM







Aren of
$$S = \iint |r_n \times r_v| dA$$



Parametrite the surface ;

$$r_1 \begin{cases} x = x \\ y = y \\ z = ny \end{cases}$$

$$r: \begin{cases} y = y \\ y = y \end{cases} \quad (x,y) \in D - unit \ disc$$

$$t = ny$$

$$G_n = \langle 1, 0, 9 \rangle$$

$$G_n = \langle 0, 1, 2 \rangle$$

$$r_{n} \times r_{y} = \begin{cases} 1 & 0 \\ 0 & \times \\ 2 & \times \\ 2$$