•
$$F(x_1y_1z) = x^2 + y^2 + z^2 - 1$$

• O gradiente da função no parto $(\frac{1}{2}, \frac{1}{2}) f(\frac{1}{2}, \frac{1}{2})$ o exter normal de plane

• $\nabla F(x_1y_1z) = (2x_1, 2y_1, 2z)$

• $\nabla F(\frac{1}{2}) \frac{1}{2} \frac{1}{2} = (1, 1, 1/2)$

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• Dossa forma times:

• $(x - \frac{1}{2}, y - \frac{1}{2}, z - \frac{1}{2}) \cdot (1, 1, 1/2) = 0$

• $(x - \frac{1}{2}, y - \frac{1}{2}, z - \frac{1}{2}) \cdot (1, 1/2) = 0$

• $(x - \frac{1}{2}, y - \frac{1}{2}, z - \frac{1}{2}) \cdot (1, 1/2) = 0$

· A equação do plano é portanto: x+x+212-2=0

Aula 12 - 13.2/4

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