

# **Analisi 1**

UniVR - Dipartimento di Informatica

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1° Semestre 2023/2024

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$$\begin{aligned}x^2 + y^2 &= 1 \\f(x) &= \sqrt{1 - x^2} \\t &\in (-1, 1) \\y - \sqrt{1 - t^2} &= n(x - t)\end{aligned}$$

$$\begin{cases} ax + by + c = 0 \\ (x_0, y_0) \end{cases} \tag{1}$$

$$\begin{aligned}\text{Distanza } &\frac{|ax_0 + by_0 + c|}{\sqrt{a^2 + b^2}} \\ \frac{|-mt + \sqrt{1 - t^2}|}{\sqrt{m^2 + 1}} &= 1\end{aligned}$$