$$
\begin{aligned}
p_1 - p_0 &= \vec{v} \\
p_1 &= p_0 + \vec{v} \\
p_0 &= (x_0, y_0, z_0) \\
p_1 &= (x_1, y_1, z_1) \\
p_1 &= (x_0, y_0, z_0) + \vec{v} \\
p &= (1-t)p_0 + tp_1 \\
f'(x_0) &= \frac{y - y_0}{x - x_0} \\
(x - x_0) &= \frac{y - y_0}{f'(x_0)} \\
x &= x_0 - \frac{y_0}{f'(x_0)} \\
x &= x_0 - \frac{f(x_0)}{f'(x_0)} \\
y - y_0 &= f'(x_0)(x - x_0) \\
y &= f'(x_0)(x - x_0) + y_0 \\
y &= f'(x_0)(x - x_0) + f(x_0) \\
(x_0 = 0, f(x_0))&(x_1 = 1, f'(0)(1-0) + f(0)) \\
(0,0)&(1,0) \\
f'(1) &= 2 \\
y &= 2(x-1) + 1 \\
x &= 1 \\
y &= 1 \\
\\
x &= 2 \\
y &= 3 \\
f'(x) &= \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}
\end{aligned}
$$

this is nice