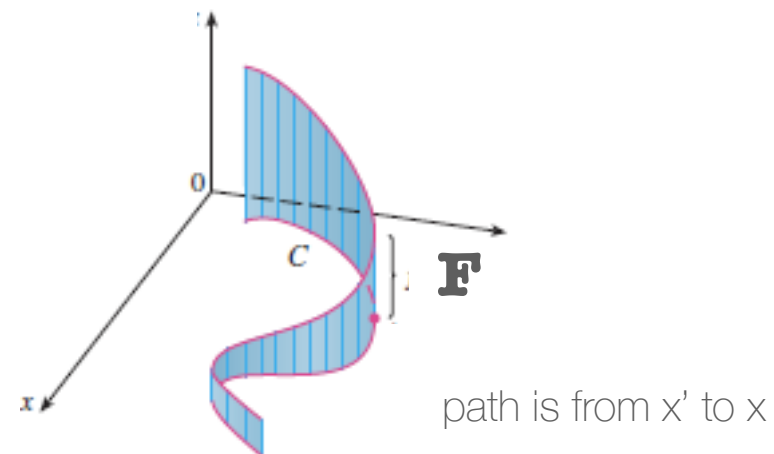


$$\text{IntegratedGrads}_i(x) ::= (x - x') \times \int_{\alpha=0}^1 \frac{\overset{\text{baseline}}{\partial F(x' + \alpha \times (x - x'))}}{\overset{\text{input}}{\partial x_i}} d\alpha$$

where  $\frac{\partial F(x)}{\partial x_i}$  is the gradient of  $F$  along the  $i^{th}$  dimension at  $x$ .



Riemann Sums



**20-300 steps is enough to estimate true attribution  
within 5%**