

## Source Prompt & Target Prompt

$p^{src}$  A bright orange **cylindrical** cake is heavily **dusted** with white powdered frosting and presented on a rustic wooden slice.

$p^{tar}$  A bright orange **square** cake is **covered in glossy blue** frosting and presented on a plastic slice. **A car surrounded by strawberries** on the top of the cake.

## LLM Decoupling

### Intermediate Prompt

- $p^{tar^1}$  ... square ...
- $p^{tar^2}$  ... square ... covered in glossy ...
- $p^{tar^3}$  ... square ... covered in glossy blue ...
- $p^{tar^4}$  ... square ... covered in glossy blue ... A car on the top of the cake.
- $p^{tar^5}$  ... square ... covered in glossy blue ... A car surrounded by strawberries on the top of the cake.

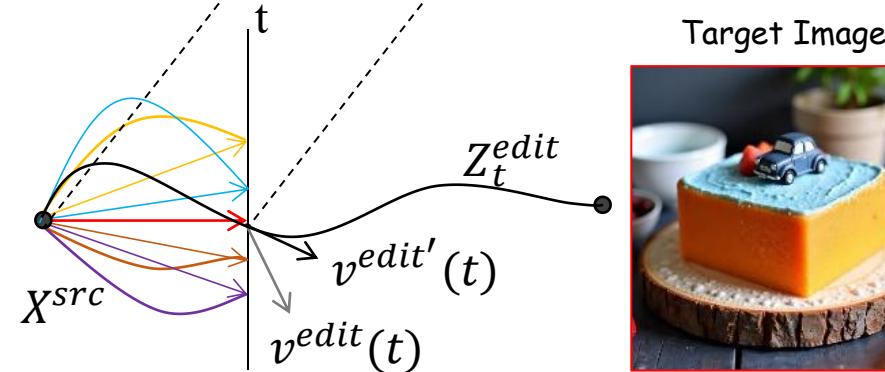
## Editing Trajectories

$$\mathcal{N}(0, I)$$


 $Z_t^{src}$ 

 $Z_t^{tar}$ 

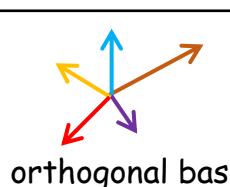
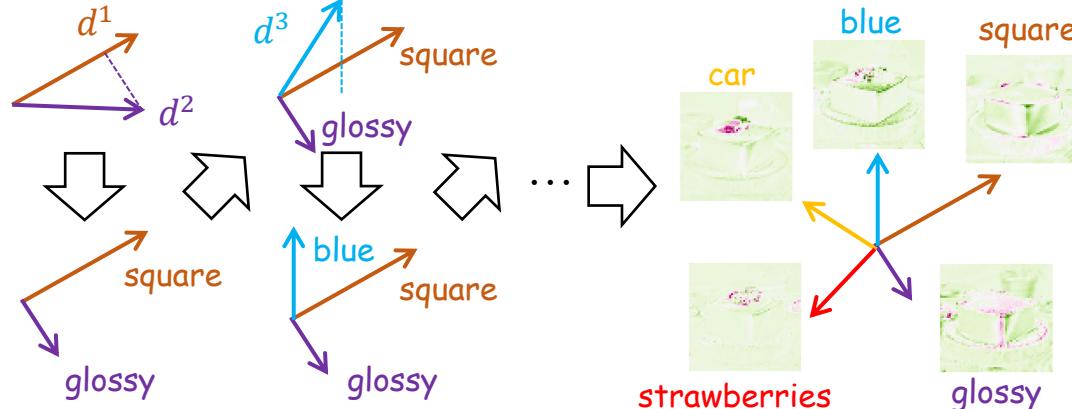
Source Image



Target Image



## Progressive Vectors Orthogonalization



## Velocity Orthogonal Decay

