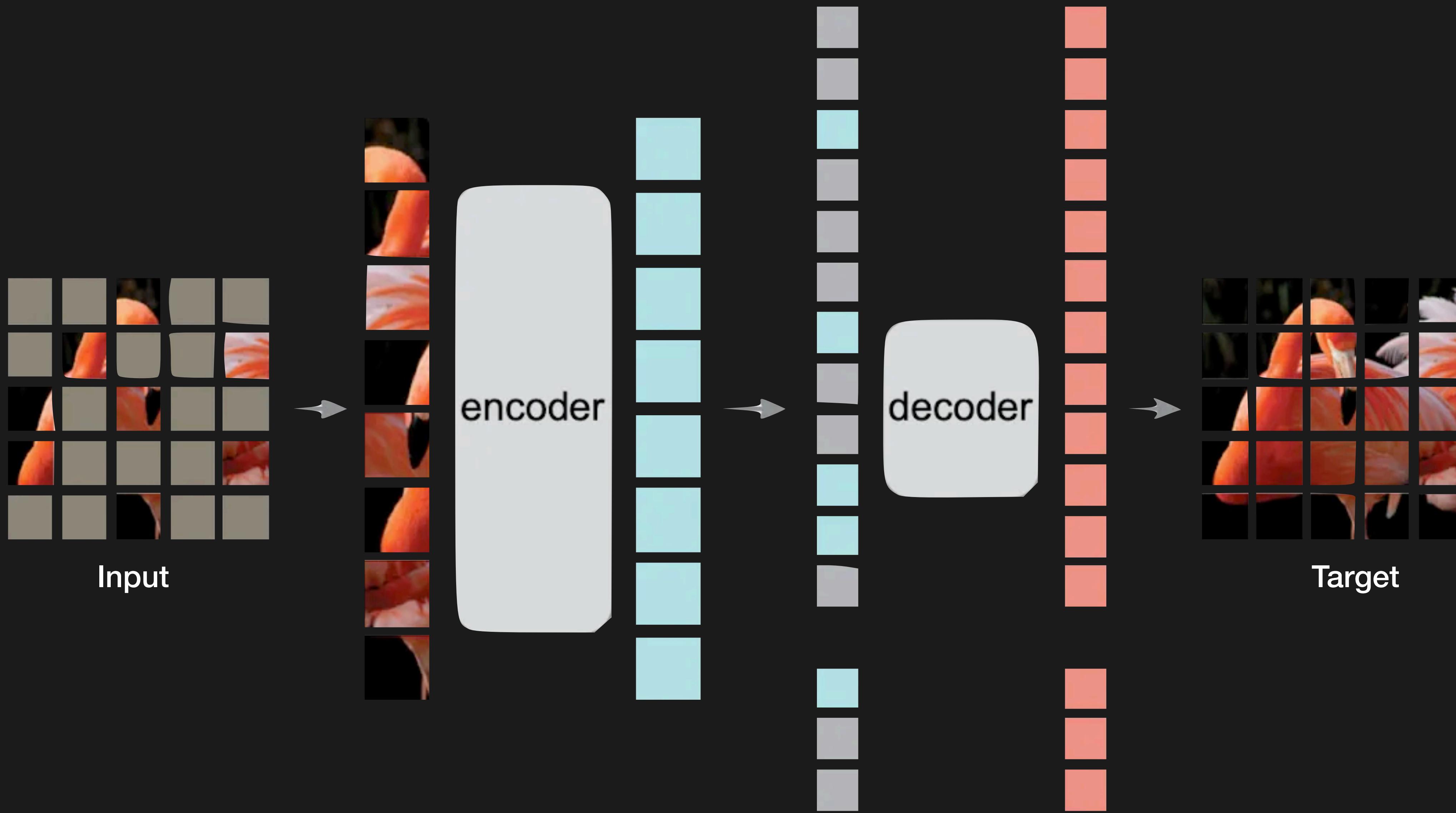


# Problem: Masked autoencoders reconstruct the input



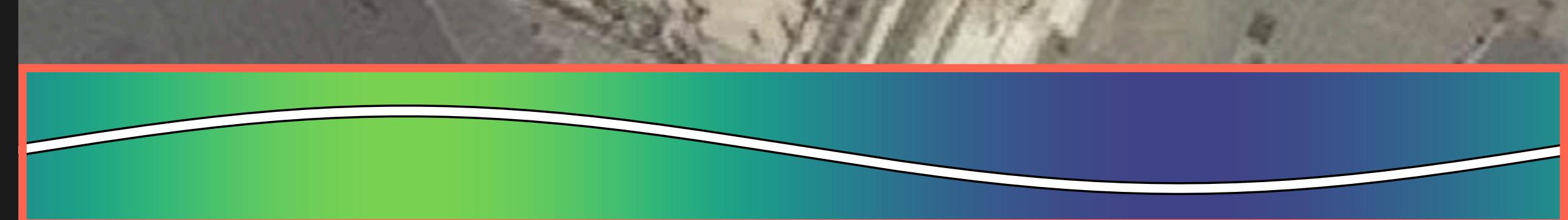
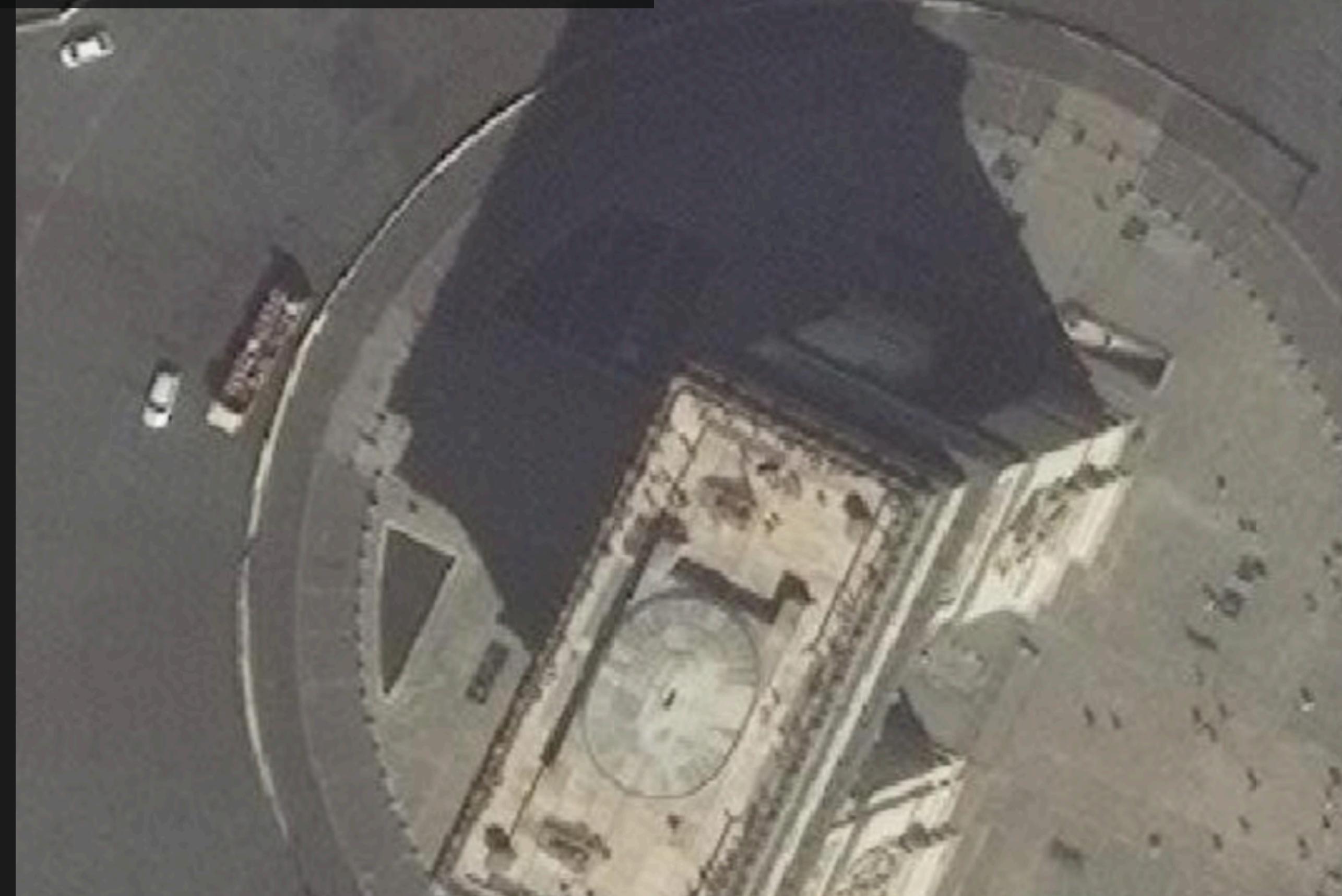
# Solution: Reason in metric space via ground sample distance PE

$$v_{gsd,x}(pos, 2i) = \sin \frac{g}{G} \frac{pos}{10000^{\frac{2i}{D}}}$$

$$v_{gsd,y}(pos, 2i + 1) = \cos \frac{g}{G} \frac{pos}{10000^{\frac{2i}{D}}}$$



10m GSD, 3000m (300px)



0.3m GSD, 90m (300px)