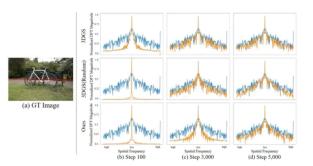
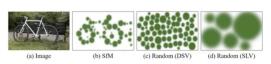
RAIN-GS

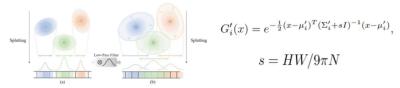
Relaxing Accurate Initialization Constraint for 3D Gaussian Splattin



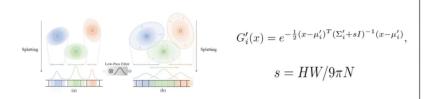
3dgs 容易先入局部最优解,SFM初始化提供了低频近似



SLV初始化提供跨域优化的可能



调整低通滤波器的稀疏使得学习从低频到高频



调整低通滤波器的稀疏使得学习从低频到高频

$$\gamma_k(\mathbf{x}; \alpha) = w_k(\alpha) \cdot \left[\cos(2^k \pi \mathbf{x}), \sin(2^k \pi \mathbf{x})\right], \qquad (12)$$
 where the weight w_k is defined as
$$w_k(\alpha) = \begin{cases} 0 & \text{if } \alpha < k \\ \frac{1 - \cos((\alpha - k)\pi)}{2} & \text{if } 0 \le \alpha - k < 1 \end{cases} \qquad (13)$$

Barf中调整位置编码从粗到细学习