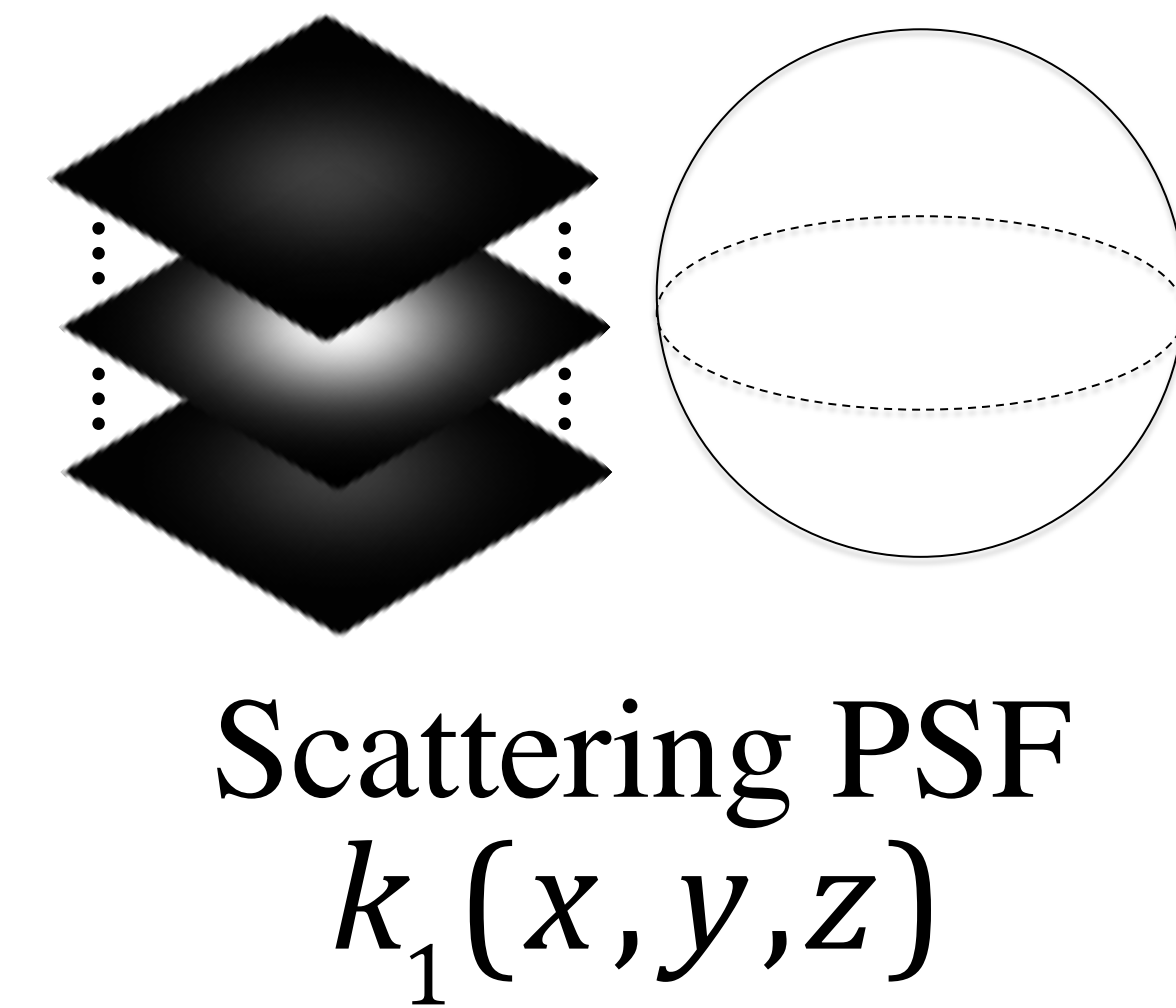


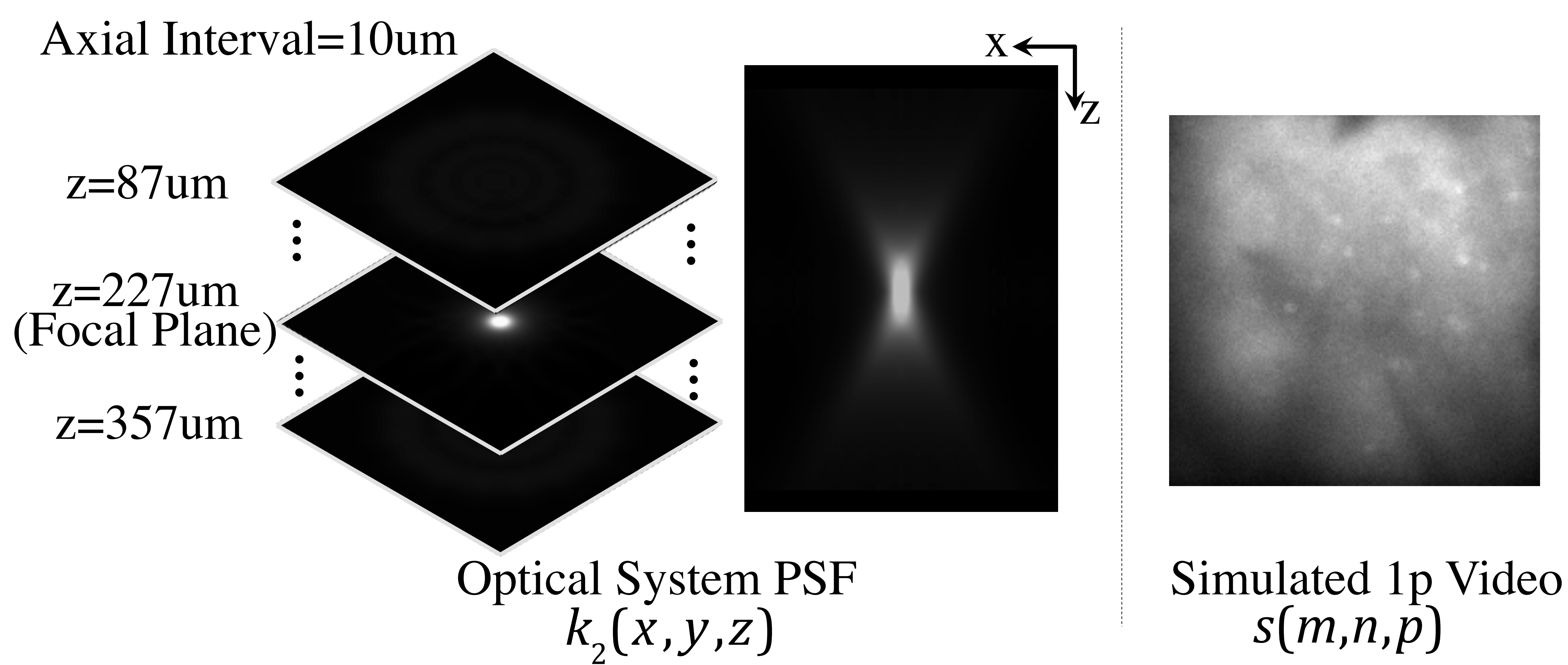
$$g(x, y, z, t) = f(x, y, z, t) \otimes_{x, y, z} k_1(x, y, z)$$

Step 1, Tissue Scattering Modeling



$$h(x, y, t) = \int g(x, y, z, t) \otimes_{x, y} k_2(x, y, z) dz$$

Step 2, Optical System Modeling



$$s(m, n, p) = h(mT_x, nT_y, pT_t) + n(m, n, p)$$

Step 3, Camera Sampling Modeling