

shell, $\bar{z} \pm h$ or $\bar{z} \pm \frac{1}{2}h$
 $(\bar{z} \pm \frac{1}{2}h)$ or $\bar{z} \pm h$

 ~~$\|k\|_2 = \|k\|_2$~~ scatter scatter

black in snow $\approx 1:17$
no. affected 3-8 92

275, 282, 283

$$N_2 \ln dv = \frac{2N_0 h}{\lambda_0} \frac{v dv}{v_0^2} \ln \frac{v_c}{v} \times 2$$

12(29) 11/11

$$d = \sqrt{(x + r_0)^2 - r_0^2}$$

$$= \sqrt{2h\nu_0 + \nu_0^2} = \sqrt{2h\nu_0}$$

$$d_2 = \sqrt{(h+r_0)^2 - (r_0+z)^2} = \sqrt{2r_0(h-z)}$$

$$\sqrt{2h\nu_0} \quad \checkmark \quad \checkmark \quad \lambda(v=0)$$