



梅

69 control
$$V = \pi h \left[ R^2 - \frac{2Rd}{3} + \frac{d^2}{5} \right]$$

$$= \frac{1}{2}\pi h \left[ \frac{r^2 - (R^2 - 2Rd + d^2))}{r^2 + (R^2 - \frac{r^2}{3}d^2 + \frac{d^2}{5})} - \frac{1}{\pi h} \left[ \frac{r^2 - (R^2 + \frac{r^2}{3}d^2 + \frac{d^2}{5})}{r^2 + r^2 Rd - \frac{r^2}{3}d^2} \right]$$

$$= \frac{1}{2}\pi h \left[ \frac{r^2 + \frac{r^2}{3}Rd - \frac{r^2}{3}d^2}{r^2 + r^2 Rd - \frac{r^2}{3}d^2} \right]$$

$$= \frac{1}{2}\pi h \left[ \frac{r^2 - R^2 Rd (4 - 1)}{r^2 + 2R^2 - \frac{r^2}{3}d^2} \right]$$

$$V = \frac{1}{2}\pi h \left[ \frac{r^2 + 2R^2 - \frac{r^2}{3}d^2}{r^2 + 2R^2 - \frac{r^2}{3}d^2} \right]$$