

$$\therefore M_{\text{persp} \rightarrow \text{ortho}} = \begin{pmatrix} h & 0 & 0 & 0 \\ 0 & h & 0 & 0 \\ ? & ? & ? & ? \\ 0 & 0 & 1 & 0 \end{pmatrix}$$

又：在近平面儿， y, z 不变，

$$\therefore M_{\text{persp} \rightarrow \text{ortho}} \times \begin{pmatrix} x \\ y \\ h \\ 1 \end{pmatrix} = \begin{pmatrix} x \\ y \\ h \\ 1 \end{pmatrix} = \begin{pmatrix} hx \\ hy \\ h^2 \\ h \end{pmatrix}$$

$$\therefore (0 \ 0 \ A \ B) \times \begin{pmatrix} x \\ y \\ h \\ 1 \end{pmatrix} = h^2$$

$$\therefore Ah + B = h^2$$

又：在远平面中心点儿， x, y, z 不变，

$$\therefore M_{\text{persp} \rightarrow \text{ortho}} \times \begin{pmatrix} 0 \\ 0 \\ f \\ 1 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ f^2 \\ f \end{pmatrix}$$

$$\therefore (0 \ 0 \ A \ B) \times \begin{pmatrix} 0 \\ 0 \\ f \\ 1 \end{pmatrix} = f^2$$

$$\therefore Af + B = f^2$$