

:


15

$2x_1x_2 + 2x_1x_3 + 2x_2x_3$

1

*H*

2

*H*

15

$$H=\left\{\begin{pmatrix}\alpha&\beta\\-\bar\beta&\bar\alpha\end{pmatrix}|\alpha,\beta\in\mathcal{C}\right\}$$

*R*

15

*V*

$$\sigma^2=\sigma,\qquad V=\sigma(V)\oplus\sigma^{-1}(\mathbf{0})$$

15  
*B*

*A*  
*C*

*p*

*A*

$$\begin{pmatrix} B & 0 \\ 0 & C \end{pmatrix}$$

15  
 $A = R'R$

*A*   *p*

*R*

15

$$\begin{cases} 3x - z + 2 = 0 \\ 2y - z - 1 = 0 \end{cases} \quad z$$

,

10

$$Ax + By + Cz + D = 0$$

$$x^2 + y^2 - z^2 = 1$$

$$A^2 + B^2 = C^2 + D^2$$