

$U_{\mathbb{R}} = X \times Y$ quaternion Jordan algebra

$$\dim V_j = b$$

$$V_{\mathbb{R}} = \sum_{1 \leq j \leq r} V_j$$

$$d_{V_{\mathbb{R}}} / r = b$$

$$Z_{\mathbb{R}} = U_{\mathbb{R}} \times V_{\mathbb{R}} = X \times Y \times V_{\mathbb{R}}$$

$$d/r = c + 1 + a(r - 1) + b$$