$$\lambda(1+\beta) = \lambda 1 + \lambda \beta \quad (4) \quad \lambda_{1}, \beta \in C$$

$$Suppose = \lambda = 0 + bi, \quad \beta = c + di, \quad \lambda = e + fi \quad \text{where } \alpha_{1}b_{1}c_{1}d_{1}e_{2}f_{3}\in R$$

$$\lambda(1+\beta) = (e + fi)((\alpha + c) + (b + d)i)$$

$$= (c + fi)(x + gi)$$

$$= (c + fi)(x + gi)$$

$$= (c + fi)(x + gi) + (e + fi)(x + fi) + (a + c)i$$

$$= (e + fi)(a + bi) + (e + fi)(c + di)$$

$$= (e - fb) + (e + fa)i + (e + fi)(c + di)$$

$$= (e - fb) + (e + fa)i + (e + fa)i + (e + fa)i$$

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