

A Noble Derivation of Polynomial Multiplication Rules

$(a+b)^2$ is given as (a^2+b^2) in field R:

$$\left(\begin{array}{c} A \ B \\ A \end{array} \begin{array}{c} B \\ \text{Pineapple} \end{array} + \begin{array}{c} A \ B \\ A \end{array} \begin{array}{c} B \\ \text{Pineapple} \end{array} \right)^2 = \begin{array}{c} \text{Pineapple} \\ \text{with sunglasses and a party hat} \end{array}$$