

$$\boldsymbol{D}_1 f(u) \cdot h_1 = \boldsymbol{D} f(u) \cdot (h_1, 0) \quad (\text{A.12})$$

$$\boldsymbol{D}_2 f(u) \cdot h_2 = \boldsymbol{D} f(u) \cdot (0, h_2) \quad (\text{A.13})$$

$$\boldsymbol{D} f(u) \cdot (h_1, h_2) = \boldsymbol{D}_1 f(u) \cdot h_1 + \boldsymbol{D}_2 f(u) \cdot h_2 \quad (\text{A.14})$$