The derivative of such a function is its derivative with respect to the independent variable t:

$$z_t' = \frac{dz}{dt}.$$

Such a function has **only partial derivatives** with respect to **independent variables**:

$$\frac{\partial z}{\partial x} = \frac{\partial z}{\partial u}\frac{\partial u}{\partial x} + \frac{\partial z}{\partial v}\frac{\partial v}{\partial x};$$

$$\frac{\partial z}{\partial y} = \frac{\partial z}{\partial u}\frac{\partial u}{\partial y} + \frac{\partial z}{\partial v}\frac{\partial v}{\partial y}.$$