

$$u_t - f(x, y, t, u, u_x, u_y)_x - g(x, y, t, u, u_x, u_y)_y = 0 \quad \longrightarrow$$

$$\bar{u}_{\bar{t}} - \bar{f}(\bar{x}, \bar{y}, \bar{t}, \bar{u}, \bar{u}_{\bar{x}}, \bar{u}_{\bar{y}})_{\bar{x}} - \bar{g}(\bar{x}, \bar{y}, \bar{t}, \bar{u}, \bar{u}_{\bar{x}}, \bar{u}_{\bar{y}})_{\bar{y}} = 0.$$