$$I = \int_{AB} \alpha$$

$$\varphi \qquad \psi$$

$$\psi \circ \varphi^{-1} \qquad \psi$$

$$x^{1}(P) \qquad y^{1}(P)$$

$$I = \int_{a}^{b} f(x^{1}) dx^{1} \qquad \varphi \circ \psi^{-1} \qquad I = \int_{a'}^{b'} g(y^{1}) dy^{1}$$