$$\frac{d}{dt_{j}}Rl$$

$$\frac{d}{dt_{j}}R(t_{j},s) = \frac{d}{dt_{j}}F\left[\left(X(t) - \mu_{j})(X(s) - \mu_{j})\right]$$

$$= F\left[X_{j}(t)(X(s) - \mu_{j})\right]$$

$$dt = 0 \text{ git}$$

$$E\left[X_{j}(0)(X(s) - \mu_{j})\right]$$

$$w\left(X_{j}(0),X(t)\right) = F\left[X_{j}(0)(X(t) - \mu_{j})\right]$$

$$= F\left[\frac{d}{dt_{j}}X_{j}(s)\Big|_{s=0}\left(X(t) - \mu_{j}\right)\right]$$

$$= F\left[\frac{d}{dt_{j}}X_{j}(s)\Big|_{s=0}\left(X(t) - \mu_{j}\right)\right]$$

$$= F\left[\frac{d}{dt_{j}}X_{j}(s)\Big|_{s=0}\left(X(t) - \mu_{j}\right)\right]$$