us property holds, if and only if,

$$T^{(2)^n}(\mu \otimes \mu) \xrightarrow{d} \mu^{\nearrow}.$$

ail, if and only if,

$$T \otimes T^n\left(\mu^{\nearrow}\right) \xrightarrow{d} \mu \otimes \mu.$$

he operators associated with the bivariate RDEs of 1st and 2nd kind

the diagonal with marginal μ; and $\mu \otimes \mu$ is the product measure.

defined as $\mathcal{H} := \bigcap_{n \geq 1} \sigma\left(X_{\mathbf{i}} \,\middle|\, |\mathbf{i}| \geq n\right)$.