
RYAN TESSIER, Mr.

Purity of the Identity Map on the Operator System generated by the Free Group

If \mathcal{S}_n is the operator system of the free group \mathbb{F}_n , then the identity map $\iota_N : \mathcal{S}_n \rightarrow \mathcal{S}_n$ is shown to be a pure completely positive map in the cone of all completely positive linear maps $\phi : \mathcal{S}_n \rightarrow \mathcal{S}_n$.