

**Marty Walter**, University of Colorado.

**Title:** Off Diagonal Matrix Coefficients are Tangents to State Space: Orientation and  $C^*$ -algebras

**Abstract:** We have a simple way of transferring the complex structure of the underlying Hilbert space for a  $C^*$ -algebra (represented on said Hilbert space) to its state space, hence a method for describing the orientation of the state space in the sense of Alfsen and Shultz.