Squeezed states as a frame

- squeezing transform preserves phase space area, so $d|\alpha\rangle$ and $d S|\alpha\rangle$ and $S\,d\alpha$ are the same. Least-norm expansion is well defined (but ~~it~~ not necessarily unique)

- there is an idea of "~~set~~ centre of squeezing mass", point is ξ plane where $\|\,|\psi\rangle_\xi\,\|$ has com.

- for small multiples plots, it is good for phase space to be the same in each small multiple. ξ_{com} is the obvious choice for "coherent" states.

- obvious first question: what is the least-norm expansion of a coherent state over squeezed states?
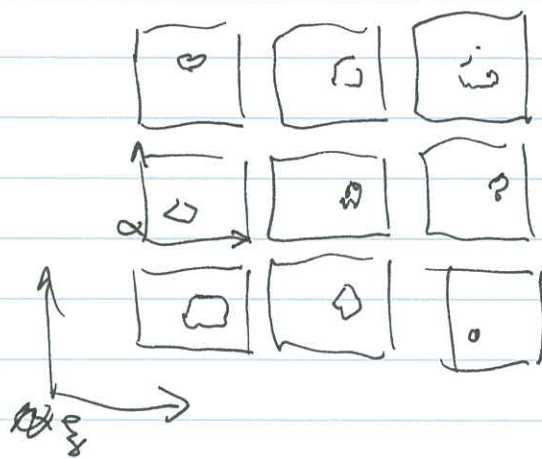
$\leftarrow \xi$ in least-norm expansion, components of $|\psi\rangle$ that ~~cos~~ is expanded over $|\alpha, \xi\rangle$.