

complex orthogonal group

Source: <http://sci.tech-archive.net/Archive/sci.math.research/2005-10/msg00001.html>

- *From:* Tobias Fritz <tfritz@xxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 1 Oct 2005 17:32:00 -0500
-

Is $SO(n, \mathbb{C})$ generated by reflections (at non-null vectors)? Any hints or references would be appreciated!

Since there is no spectral theorem due to lack of definiteness, this seems a lot harder than the real case, so I have no idea.

.