Copilot

I apologize for the confusion. The direction of rotation in 3D space can be counter-intuitive. In the 'zyz' Euler rotation sequence, a positive `phi` value corresponds to a clockwise rotation when looking in the negative direction of the y-axis. This might cause the ellipsoid to move downwards depending on its initial orientation.

If you want a positive `phi` value to move the ellipsoid upwards, you can simply negate the `phi` values when creating the rotation. Here's how you can modify the code:

```python
key_rot = sp.spatial.transform.Rotation.from_euler('zyz',
                                      np.column_stack(
                                          [key_theta,
                                          -key_phi,   # Negate phi values
                                          np.zeros_like(key_theta)
                                          ]
                                      )
                                  )
```

In this modified code, `-key_phi` is used instead of `key_phi` when creating the rotation. This effectively reverses the direction of rotation for `phi`.

I hope this helps! Let me know if you have any other questions. 😊