Vortex Rings in Superfluid Helium SULTAN Z. ALAMRI, CARLO F.
BARENGHI, Newcastle University — We present results of numerical simulations of
large-scale vortex rings in superfluid helium. These large-scale vortex rings consists
of many discrete (quantized) vortex filaments which interact with each other moving
according to the Biot-Savart law. Lifetime, structural stability and speed of large-
scale vortex rings will be discussed and compared to experimental results.

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