

Supplementary Information Depletion Effect in an Active Chiral System

Bharti and Harsh Soni*
*School of Physical Sciences (SPS),
Indian Institute of Technology Mandi
Kamand, Himachal Pradesh, India-175005*

(Dated: June 11, 2025)

I. SUPPLEMENTARY MOVIES

1. S1 - The attraction between the co-rotating rings leading to the formation of dimer at $\phi = 0.775$ with $r_0 = 3.00$ mm.
2. S2 - The attraction between the counter-rotating rings leading to the formation of dimer at $\phi = 0.775$ with $r_0 = 4.00$ mm.
3. S3 - The repulsion between the co-rotating rings at $\phi = 0.70$ with $r_0 = 3.00$ mm.
4. S4 - The repulsion between the counter-rotating rings at $\phi = 0.70$ with $r_0 = 3.00$ mm.
5. S5 - The behavior of co-rotating rings at $\Gamma = 3$, $\phi = 0.775$, and initial separation $r_0 = 3.00$ mm.
6. S6 - The behavior of counter-rotating rings at $\Gamma = 3$, $\phi = 0.775$, and initial separation $r_0 = 3.00$ mm.
- 7- S7 - The replusion between the co-rotating rings at $\Gamma = 9$, $\phi = 0.775$, and initial separation $r_0 = 3.00$ mm.
- 8- S8 - The replusion between the counter-rotating rings at $\Gamma = 9$, $\phi = 0.775$, and initial separation $r_0 = 3.00$ mm.

* mihikadobriyal321@gmail.com