



Propagation-invariant spatiotemporal vortices

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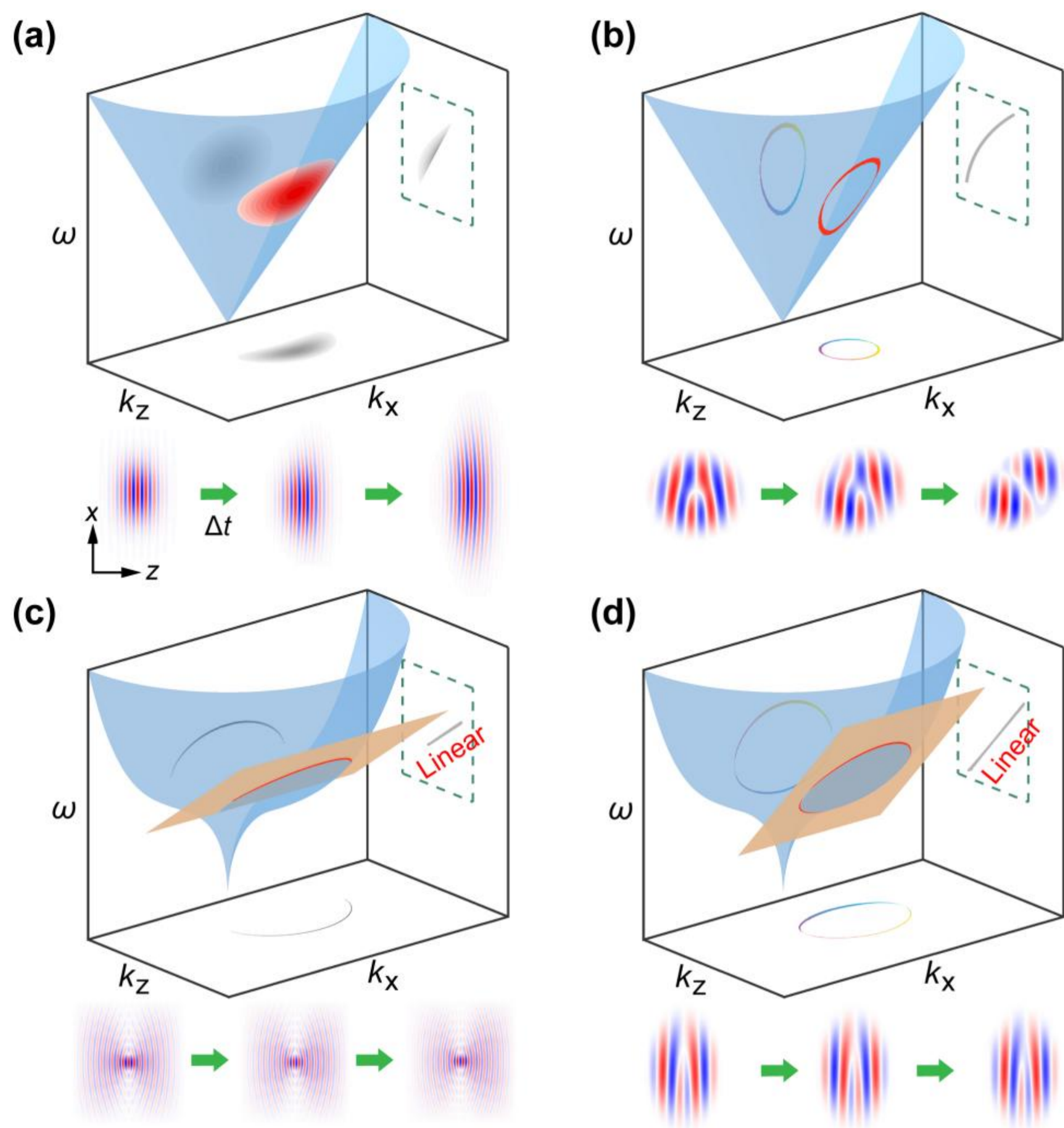
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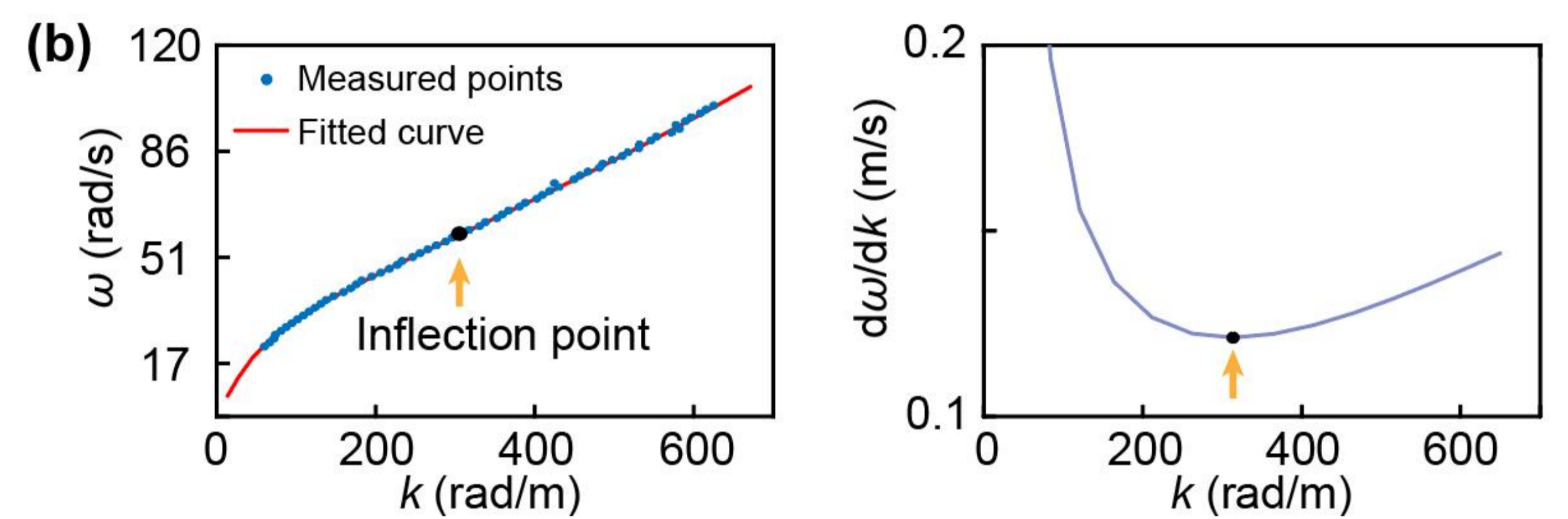
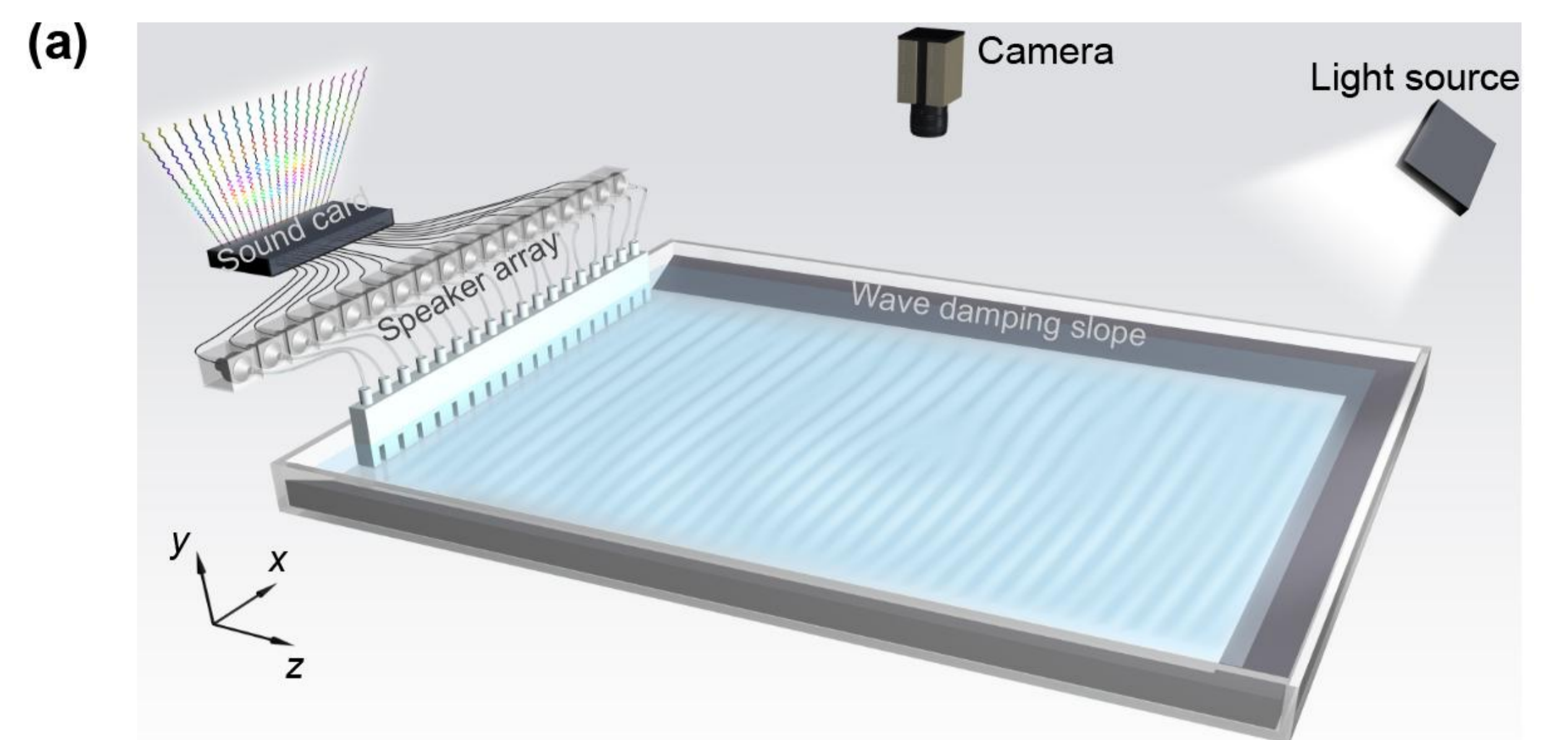
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Concept of propagation-invariant STVs

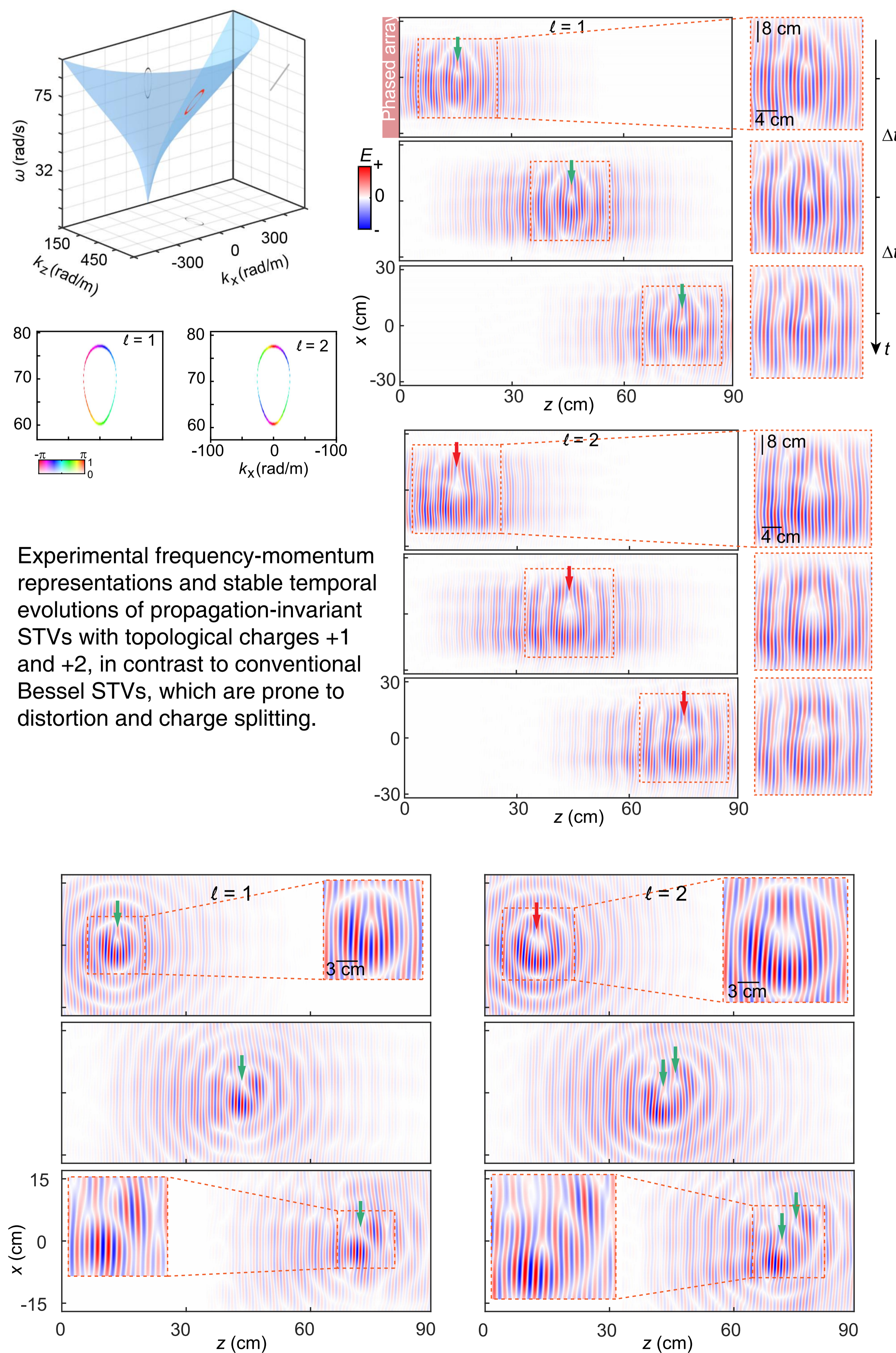


Experimental setup

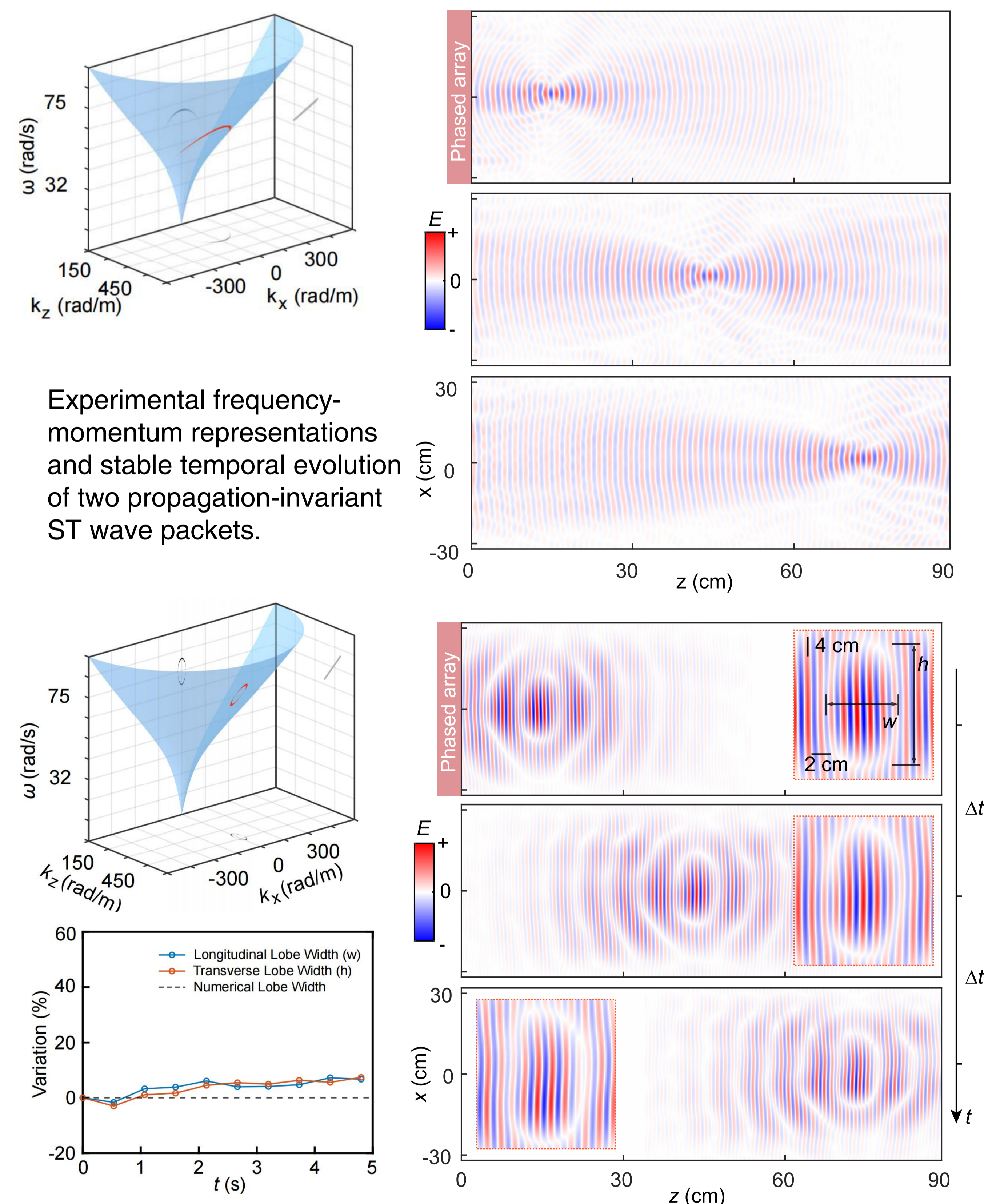


Experimental liquid surface wave platform setup and measurement of liquid surface wave dispersion.

Propagation evolutions of propagation-invariant and Bessel STVs



Experimental generations of two propagation-invariant ST wave packets



Spatiotemporal profiles of propagation-invariant STVs

