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# HEISENBERG UNCERTAINTY PRINCIPLES ON THE CLIFFORD ALGEBRA UNIT BALL

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## ABSTRACT

In this presentation, we will revisit the key results related to the Clifford Algebra hyperbolic group and the Helgason-Fourier transform on the Clifford Algebra unit ball. Building on these foundations, we will then establish the associated Heisenberg uncertainty principle and explore its derived consequences.

**Keywords** Clifford Algebra · Helgason-Fourier transform · Heisenberg uncertainty principle

## References

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