

OIST

**NATURAL  $p$ -MEANS FOR THE  $p$ -LAPLACIAN IN EUCLIDEAN SPACE  
AND THE HEISENBERG GROUP**

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We prove uniform convergence in Lipschitz domains in  $\mathbb{R}^n$  (and in  $C^{1,1}$  domains in the Heisenberg group) of approximations to  $p$ -harmonic functions obtained using the natural  $p$ -means introduced by Ishiwata, Magnanini, and Wadade in 2017.

This talk is based in joint work with András Domokos and Diego Ricciotti (Sacramento) and Bianca Stroffolini (Naples)