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CDS HEALPix libraries

Tuesday 19 March 2019 09:30 (30 minutes)

After a brief presentation of HEALPix, I will discuss the specificities of the CDS implementation.
This implementation has been natively coded in both Java and Rust. Wrappers make the Rust library accessible in Javascript/WebAssembly and Python.
Particular emphasis will be placed on the exact solution of cone/polygon coverage queries and on MOCs in which each cell contains a boolean flag.

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