Our plans for hex meshing

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Context

- Our team changed from ALICE (B. Lévy) to PIXEL (D. Sokolov)
- We want to challenge industrial needs with
 - CEA
 - Distene
 - Siemens
 - Tonus



• Today, I will present a focus on our ideas









GP principle – more challenging



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Challenge #1 Find M !



Is GP self-sufficient ?

- Theory says yes
 - split each tet into 4 hex
 - Use it as mapping
- But not with fair practical constraints:
 - M piecewise linear
 - Minimal geometric quality of hex



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