An exhaustive comparison framework for distributed shape differentiation in a MEMS sensor actuator array

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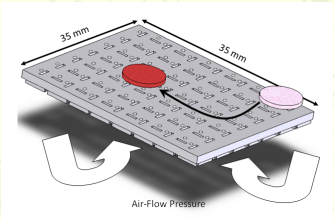
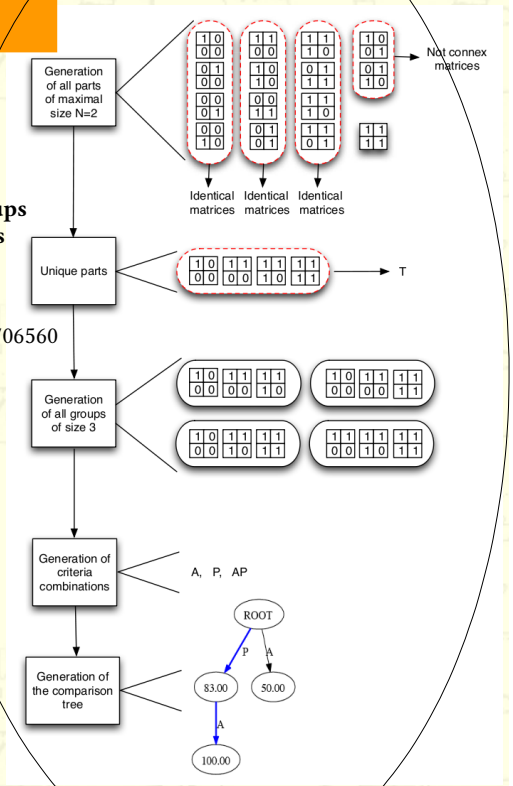
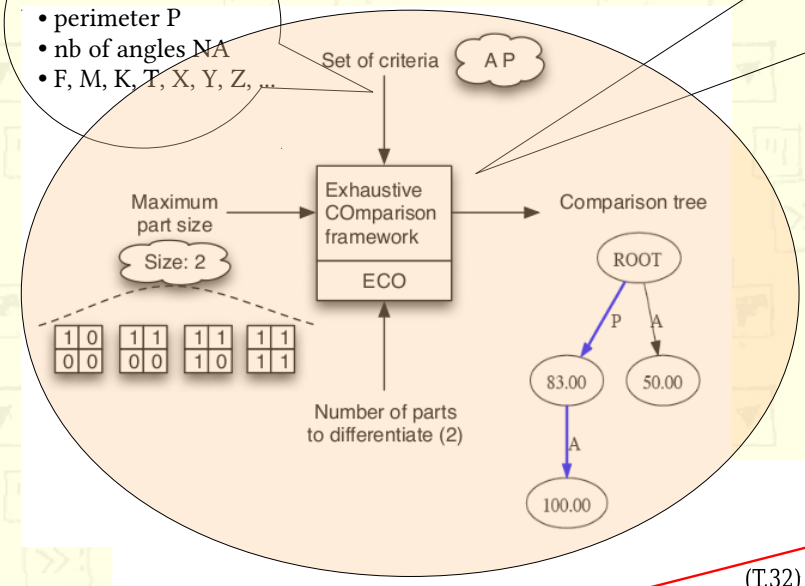
- **The project**: create a part sorting micro smart surface
- **A subproject**: distributed identification of the part
- **This poster**: test exhaustively the efficiency of various differentiation criteria
  - MEMS: Microelectromechanical system

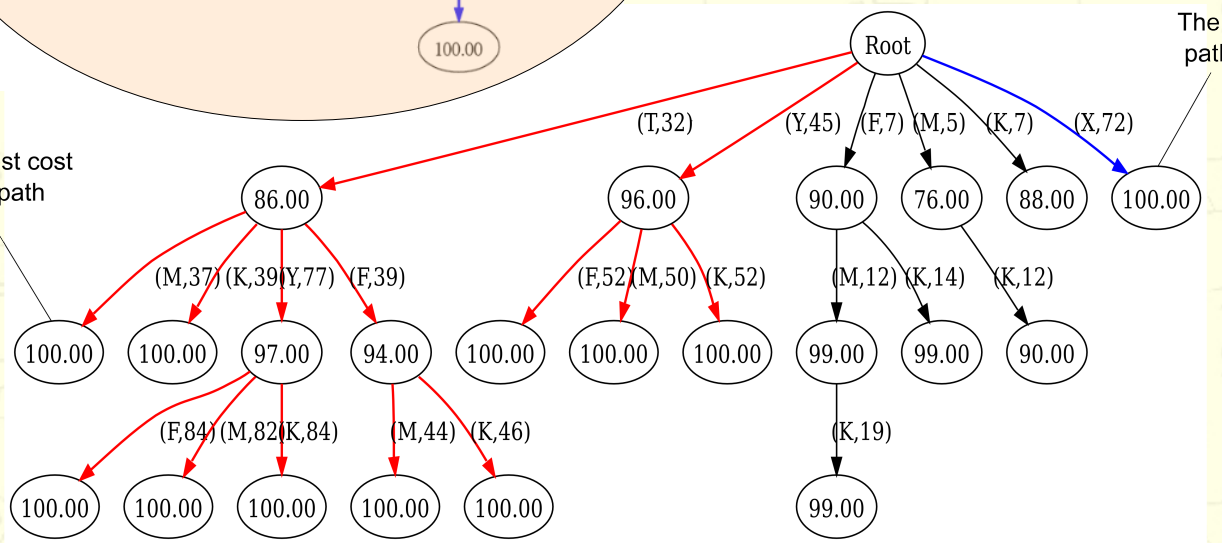


Max part size	Nb of parts generated	Nb of unique parts	Nb of groups of 3 parts
2x2	15	4	$C^3_4 = 4$
3x3	512	35	$C^3_{35} = 6545$
4x4	65536	1280	$C^3_{1280} = 348706560$



Examples of criteria:
- area A
- perimeter P
- nb of angles NA
- F, M, K, T, X, Y, Z, ...





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