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Questions:

1. In the paper 2, there is a sentence "The state-of-the-art fiber detection algorithm EMMPMH [32] detects ellipse-like objects. It takes only one input: the number of classes for the segmentation algorithm, which we set to 3."

Why is the number of classes equal to 3, not neither 2 nor 4?

1. In paper 1, there is a sentence "By minimizing the TPS bending energy ϕ(**f**), TPS-RPM can identify the within-set point correlation, e.g., the subset of points that largely follow the same smooth TPS transform in the matching."

What is a TPS bending energy? And why is it important to minimize it?