TPA 3: Motion compensation based object tracking under camera movement

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Problem Statement: Tracking a single foreground object from a video shot having un-constrained camera movement. Camera movement types can be assumed to be pan, tilt and translatory along a linear/curvilinear path.

Input:

- Moving camera video shots containing a single object

Expected Output:

- The object in motion being tracked

Hint for excellence: *Special Credit will be given if the designed system could able to detect the object from a video shot having a combination of canonical camera movements (eg. translation and zoom).*

References

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