

Short Term Action Recognition

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Instantaneous Action Primitives

Single actions, not sequences

Eg. a hand wave *vs* meeting a friend

Temporally local/short-term image analysis:
instantaneous

Appearance based/viewpoint specific

Efros, Berg, Mori & Malik

PROBLEM

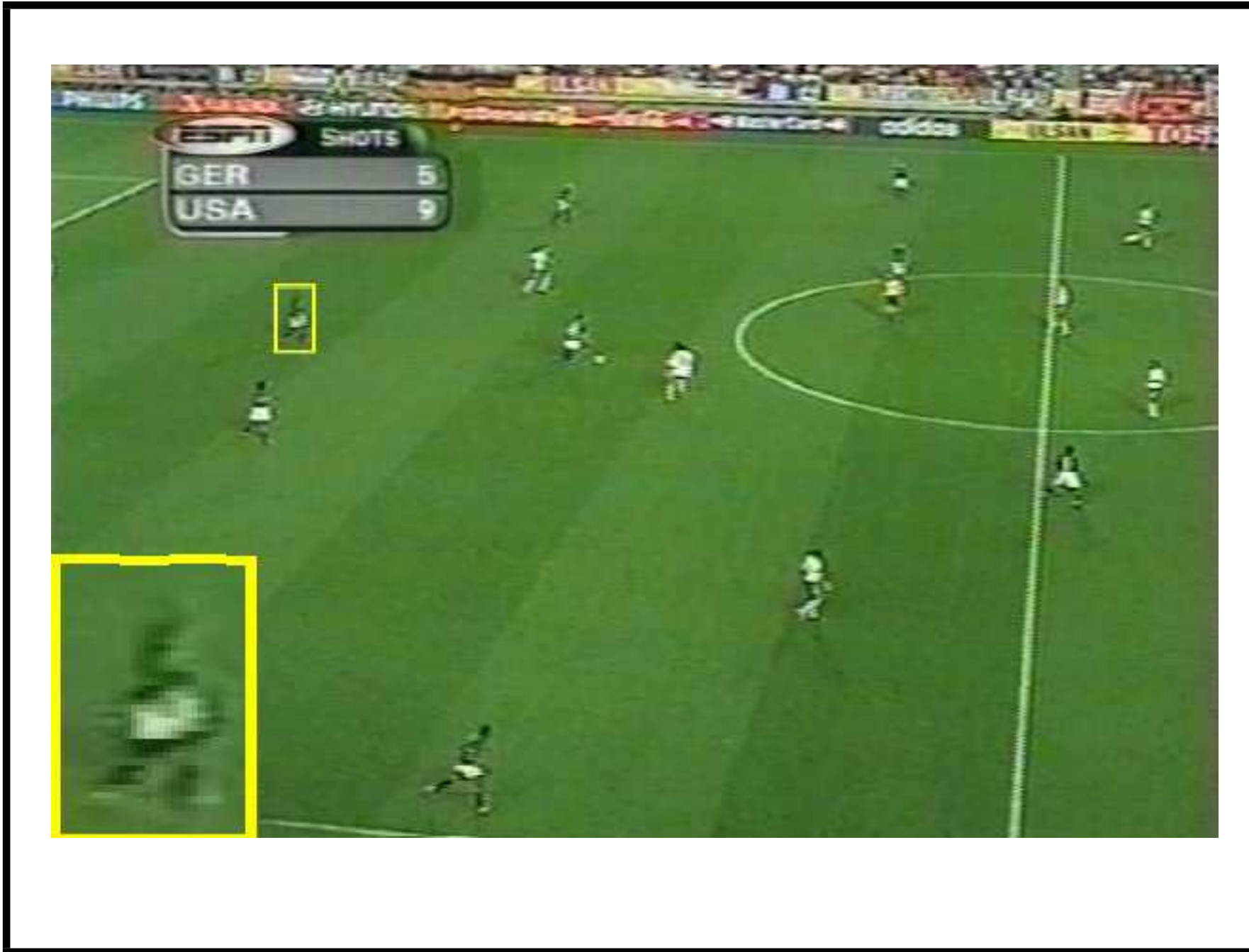
Near field (bodies 300 pixels high)

→ Use geometric model

Far field (bodies 3 pixels high)

→ Can only use tracking

Here: medium field (bodies 30 pixels high)



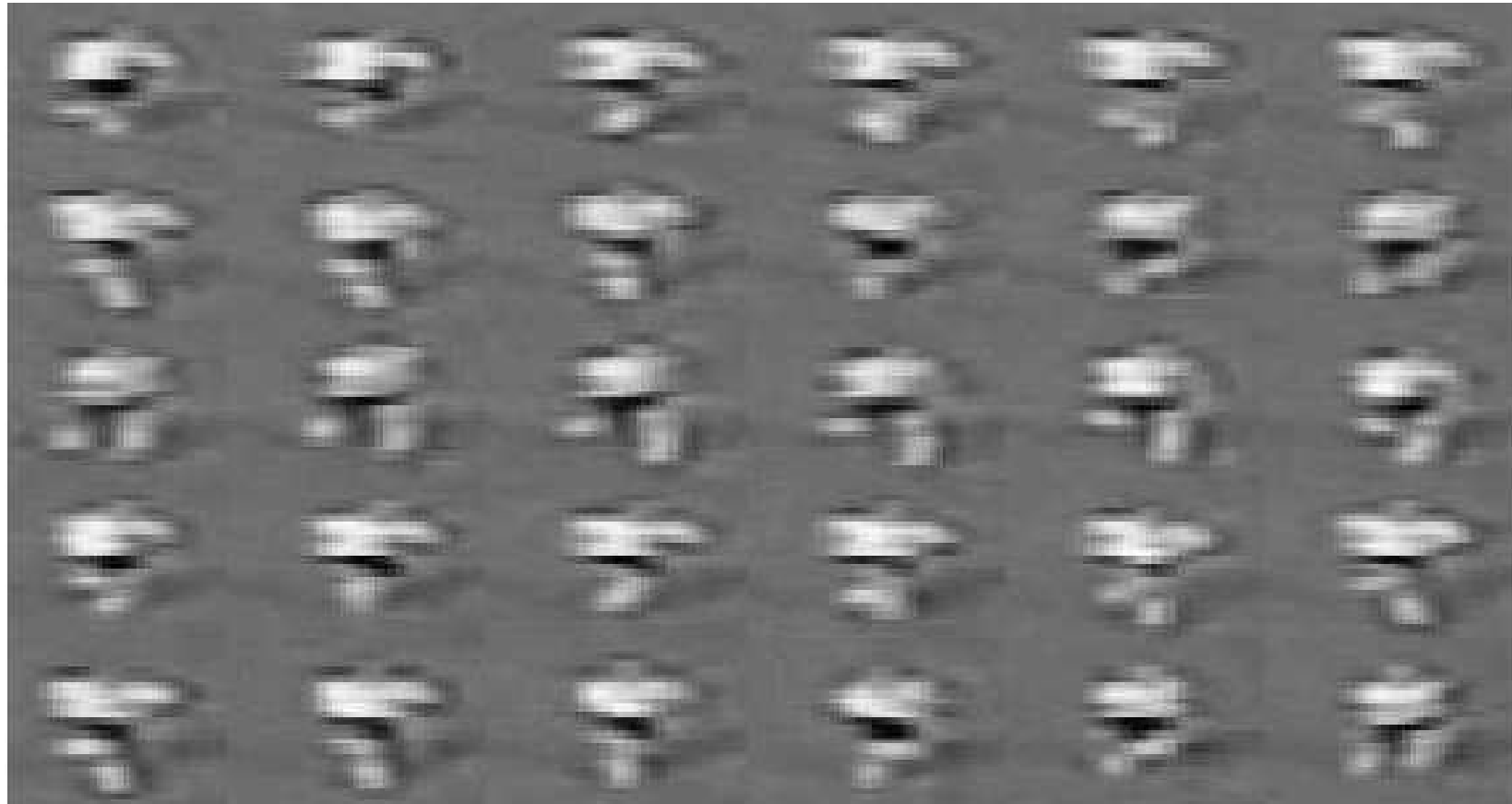
GOAL

Select matching activities from database of video clips



KEY CONCEPT

Match patterns of stabilized local movement



PROCESS OVERVIEW

