

Short Term Action Recognition

Robert B. Fisher
School of Informatics
University of Edinburgh

Instantaneous Action Primitives

Single actions, not sequences
Eg. a hand wave *vs* meeting a friend

Temporally local/short-term image analysis:

?

Appearance based/viewpoint specific

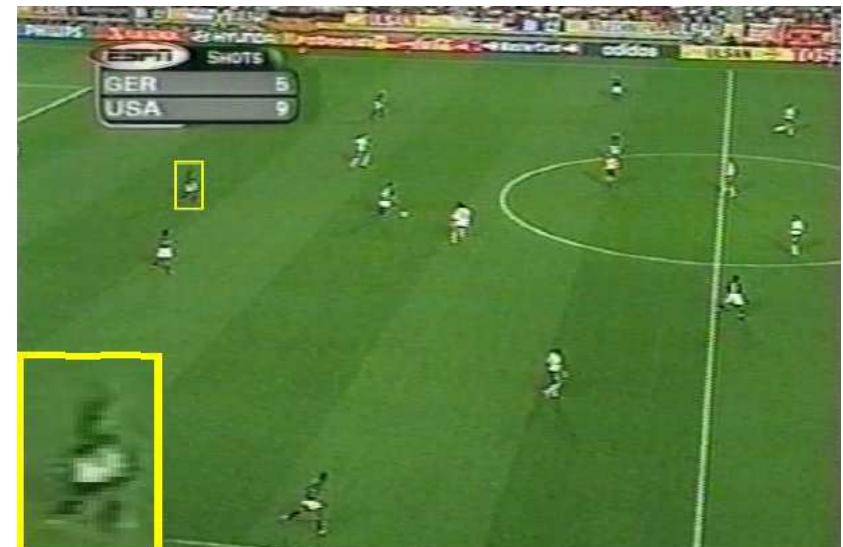
Efros, Berg, Mori & Malik

PROBLEM

Near field (bodies 300 pixels high)
→ Use geometric model


Far field (bodies 3 pixels high)
→ Can only use tracking

Here: ? (bodies 30 pixels high)



GOAL

Select matching activities from of video clips



KEY CONCEPT

Match patterns of local movement

