

CMP9135M — Computer Vision

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Abstract—

Index Terms—

TASK 1 — IMAGE PROCESSING

Task 1.a — Automated ball objects segmentation

Task 1.b — Segmentation evaluation

TASK 2 — FEATURE CALCULATION

Task 2.a — Shape features

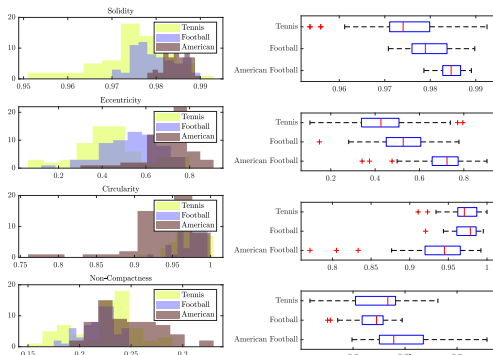


Fig. 1. Shape features

Task 2.b — Texture features

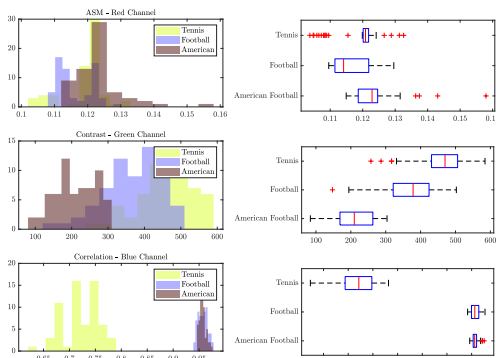


Fig. 2. Texture features Averages

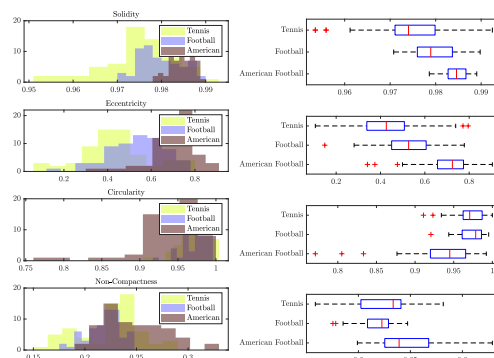


Fig. 3. Texture features Ranges

Task 2.c — Discriminative information

TASK 3 — OBJECT TRACKING

Task 3.a — Kalman filter tracking

Task 3.b — Evaluation