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Title	µ	Person Re-identification by Matching Compositional Template with Cluster Sampling
Major	µ	Computer Technology
Name	µ	Yuanlu Xu
Supervisor	µ	Professor Liang Lin

ABSTRACT

Intelligent video surveillance, as a newly raising research field, has received more and more attentions from both inlMajhial and academic communities, due to its significant meanings to public security. In this thesis, we mainly deals with a new surveillance task: person re-identification. Person re-identification aims at associating the images of same person captured under different cameras. This problem currently exists many difficulties, such as large body appearance vahiability (e.g., different views, poses, illumination conditions), and still have large space to be improved. Most existing works focus on learning the feature transformations or distance mejhic between people in

ABSTRACT

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Event Detection)[7,8]

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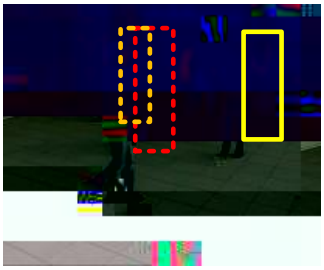

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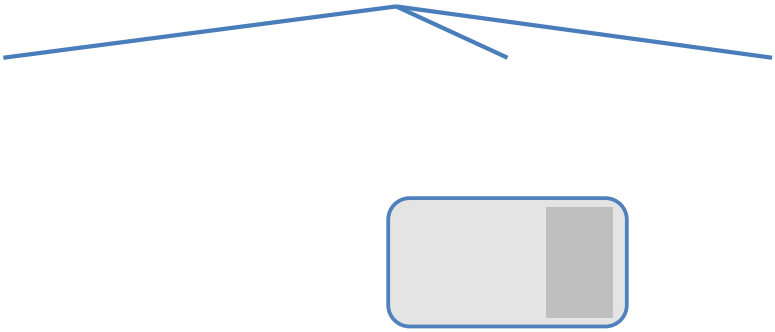

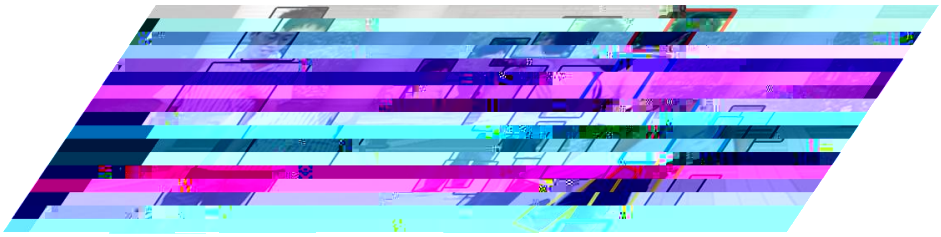

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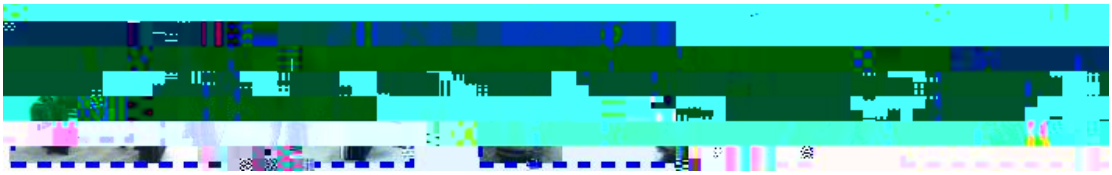

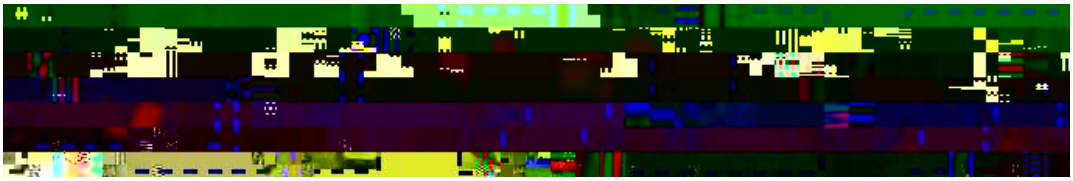

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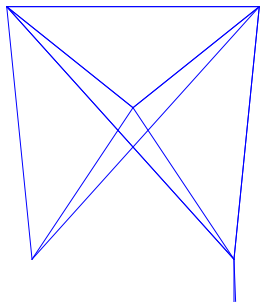

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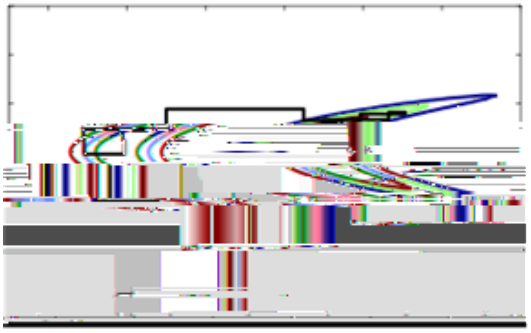
(a) Target Probability Distribution

(b) Monte Carlo Sampling



(d) Gibbs Sampling

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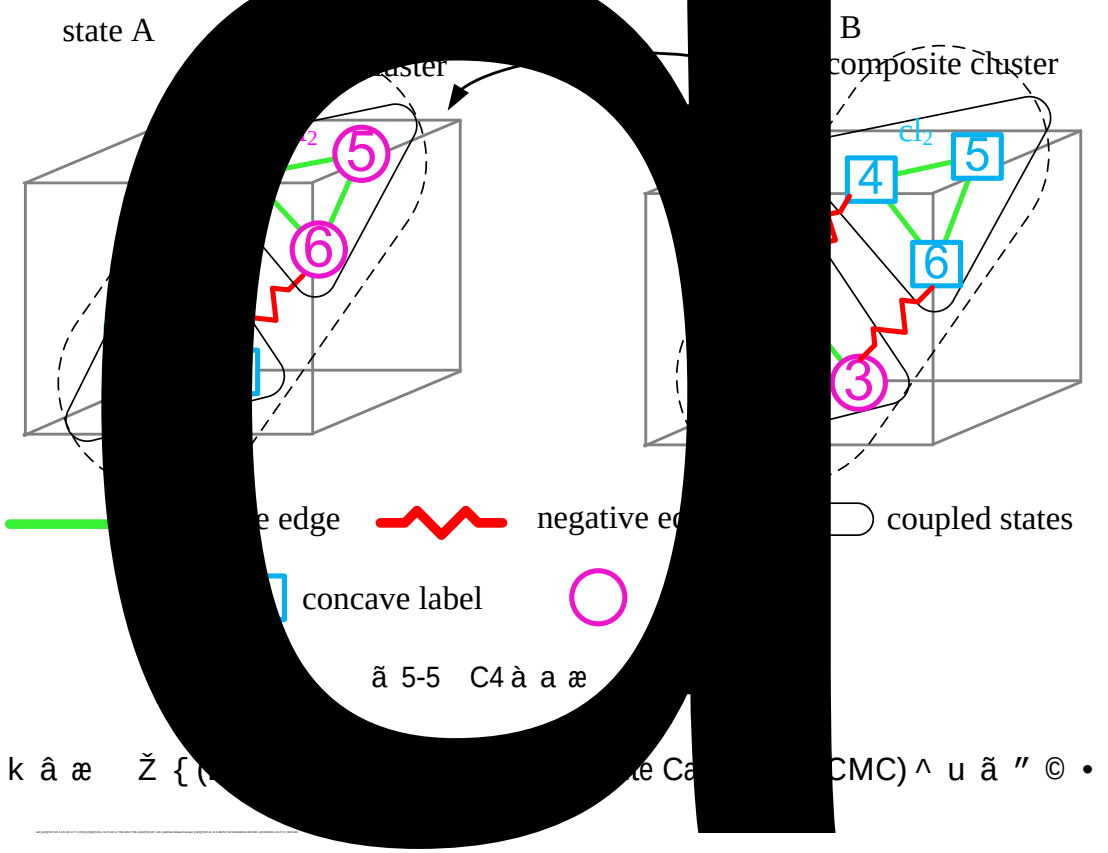

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Dataset	EPFL	CAMPUS-Human
Our Multi-2	**57/294**	**215/1519**
VPS Multi-2	54/294	175/1519
PS Multi-2	32/294	141/1519
Our Single	**50/294**	**173/1519**
VPS Single	49/294	139/1519
PS Single	24/294	118/1519

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