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LIST OF ABBREVIATIONS

FCM	Fuzzy C-means
PCM	Possibilistic C-means
FCMed	Fuzzy C-medians
FPCM	Fuzzy Possibilistic C-means
PFCM	Possibilistic Fuzzy C-means
UPCM	Unsupervised Possibilistic C-means
UPFCM	Unsupervised Possibilistic Fuzzy C-means
HCM	Hard C-means
sgHCM	String Grammar Hard C-means
SED	Shape Edit Distance
MAP	Maximum a posteriori probability
U-SURF	Upright speed-up robust feature
k-AESA	k-Approximating-Eliminating Search Algorithm
PC	Partition Coefficient
PE	Partition Entropy
XB	Xie and Beni
sgFCMed	String Grammar Fuzzy C-medians clustering
sgFPCMed	String Grammar Fuzzy Possibilistic C-medians clustering
sgPFCMed	String Grammar Possibilistic Fuzzy C-medians clustering
sgUPCMed	String Grammar Unsupervised Possibilistic C-medians clustering
sgUPFCMed	String Grammar Unsupervised Possibilistic Fuzzy C-medians clustering
TSL	Thai Sign Language
SIFT	Scale Invariant Feature Transform
FKNN	Fuzzy K-nearest neighbor
HMM	Hidden Markov Model
CPR	Cardio-pulmonary resuscitation
SPARC	Pediatric Assessment Resuscitation and Communication group

HOG3D	Spatio temporal descriptor based on three-dimensional gradients
SOM	Self-organizing feature map
ACC	Accuracy rate



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ข้อความแห่งการริเริ่ม

วิทยานิพนธ์นี้ได้นำเสนอวิธีการใหม่ในการจัดกลุ่มข้อมูลพีซีเชิงไวยากรณ์แบบสายอักขระ
สำหรับข้อมูลแบบโครงสร้าง เพื่อนำไปใช้กับชุดข้อมูลสายอักขระที่สร้างขึ้น และชุดข้อมูลจริง



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STATEMENTS OF ORIGINALITY

A novel string grammar fuzzy clustering method is proposed in order to cluster the structural pattern. The algorithm is applied in synthetic and real world string datasets.



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