

ORIGINAL ARTICLE

International Journal of Applied Mathematics in Control Engineering

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Abstract

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KEYWORDSkeyword 1, *keyword 2*, keyword 3, keyword 4, keyword 5, keyword 6, keyword 7**1 | FIRST LEVEL HEADING**

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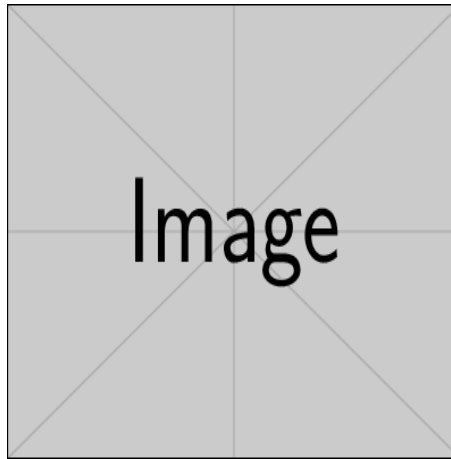


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1.1 | Second Level Heading

If data, scripts or other artifacts used to generate the analyses presented in the article are available via a publicly available data repository, please include a reference to the location of the material within the article.

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$$\int_0^{+\infty} e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (1)$$

And one that is not numbered

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- a
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Definition 1 *This is a sample definition.*

Proof 1 *This is how we prove our theorem.* ■

Remark 1 *This is how we prove our theorem.*

Corollary 1 *This is how we prove our theorem.*

Lemma 1 *This is how we prove our theorem.*

Assumption 1 *This is how we prove our theorem.*

Theorem 1 *If data, scripts or other artifacts used to generate the analyses presented in the article are available via a publicly available data repository, please include a reference to the location of the material within the article.*

Algorithm 1 Framework of ensemble learning for our system.

Input: The set of positive samples for current batch, P_n ; The set of unlabelled samples for current batch, U_n ; Ensemble of classifiers on former batches, E_{n-1} ;

Output: Ensemble of classifiers on the current batch, E_n ;

- 1: Extracting the set of reliable negative and/or positive samples T_n from U_n with help of P_n ;
 - 2: Training ensemble of classifiers E on $T_n \cup P_n$, with help of data in former batches;
 - 3: $E_n = E_{n-1} \cup E$;
 - 4: Classifying samples in $U_n - T_n$ by E_n ;
 - 5: Deleting some weak classifiers in E_n so as to keep the capacity of E_n ;
 - 6: **return** E_n ;
-

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Fourth Level Heading

The significant problems we have cannot be solved at the same level of thinking with which we created them.¹

Anyone who has never made a mistake has never tried anything new.

Albert Einstein

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TABLE 1 The 50-best oracle performances from the different grammars.

Testing Data	Sources	Hardness	Rule type-1	Rule type-2	Rule type-3
Sinica	Balanced corpus	Moderate	92.97	94.84	96.25
Sinorama	Magazine	Difficult	90.01	91.65	93.91
Textbook	Elementary school	Easy	93.65	95.64	96.81
Textbook	Elementary school	Easy	93.65	95.64	96.81
Sinorama	Magazine	Difficult	90.01	91.65	93.91
Textbook	Elementary school	Easy	93.65	95.64	96.81
Textbook	Elementary school	Easy	93.65	95.64	96.81

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AUTHOR CONTRIBUTIONS

For research articles with several authors, a short paragraph specifying their individual contributions must be provided. The following statements should be used “Conceptualization, X.X. and Y.Y.; methodology, X.X.; software, X.X.; validation, X.X., Y.Y. and Z.Z.; formal analysis, X.X.; investigation, X.X.; resources, X.X.; data curation, X.X.; writing—original draft preparation, X.X.; writing—review and editing, X.X.; visualization, X.X.; supervision, X.X.; project administration, X.X.; funding acquisition, Y.Y. All authors have read and agreed to the published version of the manuscript.

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A | FIRST APPENDIX

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$$\int_0^{+\infty} e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (\text{A.1})$$

B | SECOND APPENDIX

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$$\int_0^{+\infty} e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (\text{B.1})$$



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