



Browse My Settings Help

Institutional Sign In

Institutional Sign In

All



ADVANCED SEARCH

Conferences > 2019 IEEE 5th International C... ?

# Rule-based design for Anaphora Resolution of Marathi Sentence

Publisher: IEEE

Cite This

PDF

Kalpana Khandale ; C. Namrata Mahender All Authors

3 Cites in Papers

77 Full Text Views



## Alerts

Manage Content Alerts  
Add to Citation Alerts

### Abstract



Downl  
PDF

#### Document Sections

- I. Introduction
- II. Literature Survey
- III. Marathi Pronoun
- IV. Proposed Method
- V. Conclusion

#### Abstract:

Understanding the natural language is difficult for the computers because natural language is coherently ambiguous. Now-a-days resolving that ambiguity is the main task f... **View more**

#### Metadata

##### Abstract:

Understanding the natural language is difficult for the computers because natural language is coherently ambiguous. Now-a-days resolving that ambiguity is the main task for the researcher. And one of such ambiguity is the anaphora resolution. Anaphora occurs frequently in the discourse. Anaphora resolution is a complex problem for the researcher. In the application of natural language processing like question answering system, text summarization, natural language generation and in many more application anaphora resolution is a must task. This paper presents the anaphora resolution for Marathi language. The work on anaphora resolution is performed on many Indian languages like, Hindi, Tamil, Telugu, Bengali, and Urdu etc. but not done on the Marathi language. This paper focuses on the Marathi demonstrative pronouns specifically for the name of the persons and trying to resolve the difficulty of the anaphora and the antecedent. For the resolution of anaphora, rule based structure is designed by taking into account the context of Marathi grammar.

**Published in:** 2019 IEEE 5th International Conference for Convergence in Technology (I2CT)

**Date of Conference:** 29-31 March 2019

**DOI:** 10.1109/I2CT45611.2019.9033823

**Date Added to IEEE Xplore:** 12 March 2020

**Publisher:** IEEE

**ISBN Information:**

**Conference Location:** Bombay, India

Authors

Figures

References

Citations

Keywords

Metrics

More Like This

Contents



### I. Introduction

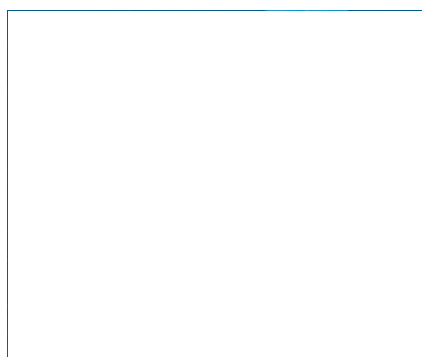
Anaphora occurs frequently in the written text and spoken dialogues. Anaphora is described as cohesion which points back to some previous item. The pointing back word or the phrase is called as the anaphora and the entity to which it refers is its antecedent [1]. The antecedent of the anaphor is difficult to determine because there may be multitude possible antecedent in the given discourse. Anaphora interpretation requires the use of the context surrounding the anaphor. To determine the antecedent for the anaphora is called as the Anaphora Resolution. There are some approaches to anaphora resolution that are, Knowledge-rich approach, discourse based approach, hybrid approach, corpus based approach, knowledge-poor approach and the rule based approach.

Sign in to Continue Reading

---

Authors	▼
Figures	▼
References	▼
Citations	▼
Keywords	▼
Metrics	▼

---



#### More Like This

Towards a Context-Free Machine Universal Grammar (CF-MUG) in Natural Language Processing  
IEEE Access  
Published: 2020

Design and Construction of a Knowledge Database for Learning Japanese Grammar Using Natural Language Processing and Machine Learning Techniques  
2022 4th International Conference on Natural Language Processing (ICNLP)  
Published: 2022

Show More

**IEEE Personal Account**

CHANGE  
USERNAME/PASSWORD

**Purchase Details**

PAYMENT OPTIONS  
VIEW PURCHASED  
DOCUMENTS

**Profile Information**

COMMUNICATIONS  
PREFERENCES  
PROFESSION AND  
EDUCATION  
TECHNICAL INTERESTS

**Need Help?**

US & CANADA: +1 800  
678 4333  
WORLDWIDE: +1 732  
981 0060  
CONTACT & SUPPORT

**Follow**



[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [IEEE Ethics Reporting](#) | [Sitemap](#) | [IEEE Privacy Policy](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2024 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence and similar technologies.

**IEEE Account**

- » Change Username/Password
- » Update Address

**Purchase Details**

- » Payment Options
- » Order History
- » View Purchased Documents

**Profile Information**

- » Communications Preferences
- » Profession and Education
- » Technical Interests

**Need Help?**

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060

» [Contact & Support](#)

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.  
© Copyright 2024 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.