**AN A-STAR PARSER USING PRUNING HIERARCHICAL TREE ALGORITHM (PHTA) IN VIETNAMESE HIGH-QUALITY TEXT-TO-SPEECH SYSTEM**

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**ABSTRACT**

This paper presents our research on A-star (A\*) algorithm using pruning hierarchical tree in Vietnamese parsing technique in order to improve the quality of Vietnamese text-to-speech system.

**Categories**

Knowledge-based and information systems

**General Terms**

Algorithm, languages

**Key words**

A\*, parsing, PHTA

# Introduction

There are some parsers which have been researched and developed in Vietnamese. However, in our knowledge, A parser using A\* algorithm has not been released in Vietnamese yet. The other parsing algorithm

# A\* algorithm for parsing

# Pruning hierarchical tree algorithm

## The context

## Fundamental hierarchical tree algorithm

### Basic idea

### The proposed model

#### Element classification phase

#### Generator the combinable chains