

e-mail: miyeon4385@hanmail.net, curywoman@naver.com, ardor1229@naver.com,  
kiyonglee@sookmyung.ac.kr

## Development of a Korean-English Text-to-Speech Application for Android Supporting Language Study and Book Reading

Miyeon Yu, Suji Kim, Somin Kim, Ki Yong Lee  
Division of Computer Science, Sookmyung Women's University

1.

TTS(Text-to-Speech) 가 TTS 가

TTS

(application) TTS

[1]. TTS(Text-to-Speech)[2] 가 가

(1~2 ), 가 [3]. 가

TTS TOEIC Speaking OPIc TTS TTS 가

, TTS TTS 가

가



( 3)

가



[1] Ed Burnette, "Hello, Android: Introducing Google's Mobile Development Platform," 2nd Ed. Pragmatic Bookshelf, 2009.  
 [2] Thierry Dutoit, "An Introduction to Text-to-Speech Synthesis," Kluwer, 1997.  
 [3] <https://play.google.com/store>  
 [4] <http://developer.android.com/reference/android/speech/tts/TextToSpeech.html>

( 3)

4.

TTS

```

| TTS :
| TextToSpeech[4]
|
| TTS
| TTS
|
| : TextToSpeech
| setLanguage() API
| TTS 가 setLanguage(Locale
| e.KOREAN) 가 ,
| setLanguage(Locale.US) 가
|
| : TextToSpeech
| setSpeechRate() set
| Pitch() API . setSpeechRate()
| , setPitch()
    
```

5.

TTS  
TTS 가