

# Processing of Word N + 1 Modulates Processing of Word N + 2 in Context

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Two experiments examined the effects of word N + 1 processing on word N + 2 processing in context. In Experiment 1, participants read words in a sentence. Word N + 1 was either a high-frequency word or a low-frequency word. Word N + 2 was either a high-frequency word or a low-frequency word. Results showed that processing of word N + 1 modulated processing of word N + 2 in context. In Experiment 2, participants read words in a sentence. Word N + 1 was either a high-frequency word or a low-frequency word. Word N + 2 was either a high-frequency word or a low-frequency word. Results showed that processing of word N + 1 modulated processing of word N + 2 in context.

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Experimental Evidence for and Against Processing of Word N + 2  
E. J. ...

$f : \mathbb{R}^{N+1} \rightarrow \mathbb{R}^{N+1}$  (Rabinowitz, 1975). I will assume that  $f$  is a diffeomorphism from  $\mathbb{R}^{N+1}$  to  $\mathbb{R}^{N+1}$ . Let  $w : \mathbb{R}^{N+1} \rightarrow \mathbb{R}^{N+1}$  be a function satisfying  $w(0) = 0$  and  $w'(0) = S$ . Let  $(PB)_f : \mathbb{R}^{N+1} \rightarrow \mathbb{R}^{N+1}$  be the Poincaré-Birkhoff map associated to  $f$ . Let  $(PB)_f(w) = w + 2\pi$ . Rabinowitz (1998) and Yano, Rabinowitz, & Kato (2009); Yano, Watanabe, Xie, & Rabinowitz (2009); Yano, Rabinowitz, Taniuchi, Hasegawa, & Taniuchi (2009). I will assume that  $(PB)_f(w) = w + 2\pi$ . Rabinowitz (2007) and Avez (2008) have shown that  $(PB)_f(w) = w + 2\pi$ .

f  
C

## Method

### Subjects

S  
C

### Material

Word N + 2. F  
w  
N + 2. F  
w  
A  
w  
T  
[ : 5.0, 4.8,  
5.5, 4.9, f  
; (3, 188) = 1.1,  
> .1] (B  
L, I  
P  
1986) [ : 1150, 1154, 1164, 1163, f  
; (3, 188) < 1]. I  
( = 18 ) ( = 16 )  
E  
w  
4.1  
3.8  
1.7.

Word N + 1. T  
w  
N + 1 f  
w  
T  
38657, 1451, f  
w  
N + 1,  
(1, 94) = 550.6, < .001] b  
[ : 7.5, 7.1, f  
w  
N + 1,  
(1, 94) = 1.8, > .1]

Sentence frames. Tw  
f  
N + 1  
N + 2 w  
20, 29  
(M = 23.9, = 2.4). T  
w  
T  
w  
N + 1. W  
(w  
N)  
w  
E  
A  
f  
w  
F  
1.

### Apparatus

E  
(500 H). S

### Low parafoveal load, identical preview

他建议当地政府应注意的户籍管理方面的问题已经得到解决。

\*

### Low parafoveal load, orthographically related preview

他建议当地政府应注意的广籍管理方面的问题已经得到解决。

\*

### Low parafoveal load, semantically related preview

他建议当地政府应注意的户籍管理方面的问题已经得到解决。

\*

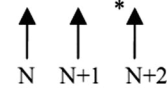
### Low parafoveal load, unrelated preview

他建议当地政府应注意的丹籍管理方面的问题已经得到解决。

\*

### Low parafoveal load, target.

他建议当地政府应注意的户籍管理方面的问题已经得到解决。



### High parafoveal load, identical preview

他建议当地政府应注意非户籍学生接受义务教育的权利。

\*

### High parafoveal load, orthographically related preview

他建议当地政府应注意非广籍学生接受义务教育的权利。

\*

### High parafoveal load, semantically related preview

他建议当地政府应注意非户籍学生接受义务教育的权利。

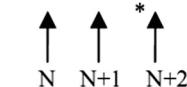
\*

### High parafoveal load, unrelated preview

他建议当地政府应注意非丹籍学生接受义务教育的权利。

### High parafoveal load, target

他建议当地政府应注意非户籍学生接受义务教育的权利。



I. A. C  
T  
w  
广 门 丹  
(户)  
N (注意)  
N + 1 (的) N + 1 (非).

21- D T M (1280 × 1024  
100 H). T 16

F







W... N+2.  
P... C...  
N+1. S... C...  
GD (L...  
2002; T... 2004; Y... 2009), w... PB...  
H w...  
N+2. A... C...  
T... PB... N+2 w...  
(R... 2007). SAS... E-Z  
R... PB... N+2...  
(R... 2007; R...  
1998). H w... f...  
N... N+1  
w... N+2 w...  
PB... N+2... N+1...  
SAS... O...  
w... N+2 PB... GAG...  
SWIFT...

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