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千岛湖次生林优势种植物光合生理生态特性

摘要: *Pinus massoniana* *Castanopsis sclerophylla* *Lithocarpus glaber*
Cyclobalanopsis glauca

P_n P_n P_n P_n LSP
 LCP P_n A_{max} R_d V_{cmax} J_{max}
 AQY LSP R_d AQY

关键词:

Photo-ecological characteristics of the dominant plant species in the secondary forest surrounding Qiandao Lake, Zhejiang, China

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Abstract:

Pinus massoniana *Castanopsis sclerophylla* *Lithocarpus glaber* *Cyclobalanopsis glauca*

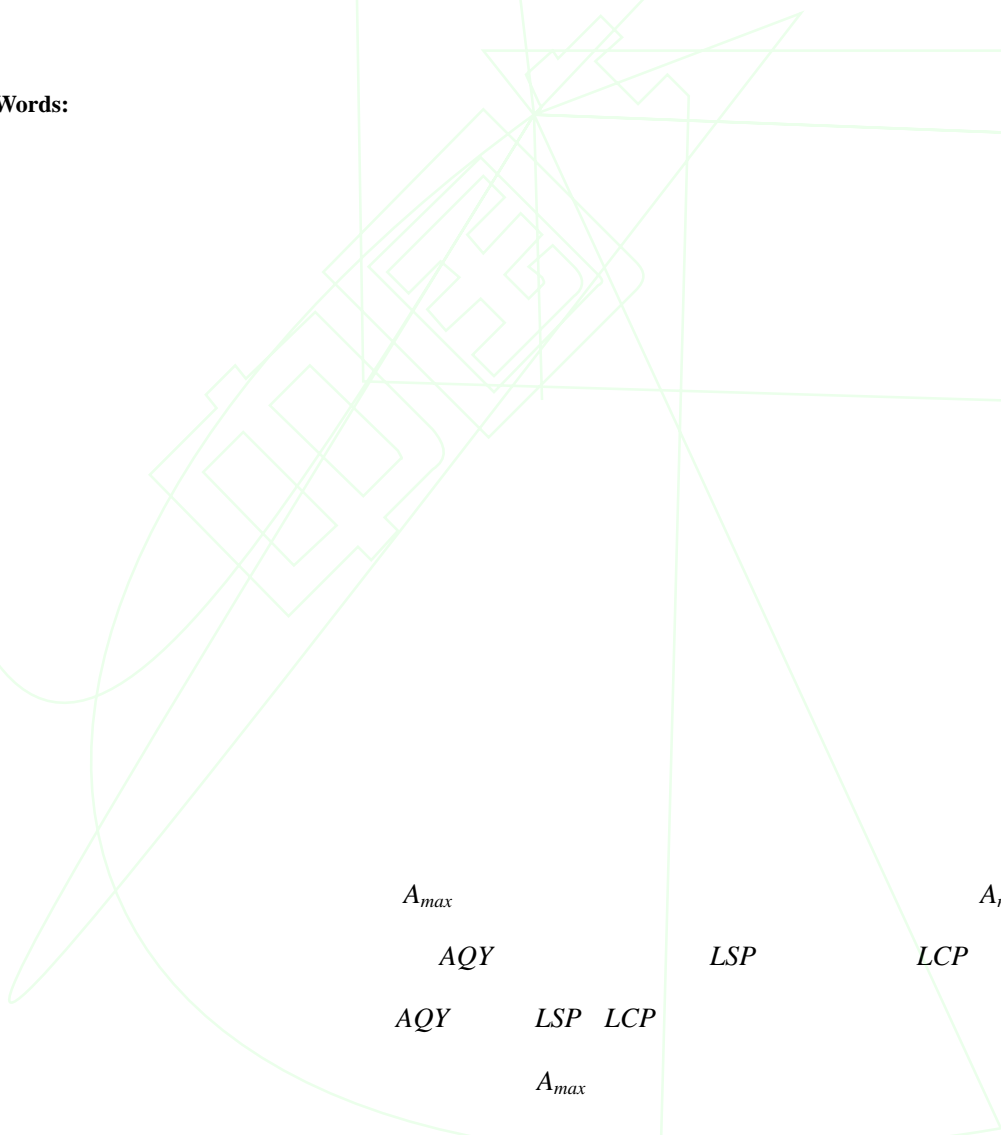
P_n *P. massoniana*

P_n *C. sclerophylla*

基金项目:

P_n *L. glaber* *C. glauca*
sclerophylla P_n *P. massoniana* *C.*
L. glaber *C. glauca*
 P_n *P. massoniana* *C.*
sclerophylla *L. glaber* *C. glauca*
LSP R_d
LSP R_d *C. glauca* *AQY* *C. glauca*
C. sclerophylla *L. glaber*
C. glauca *P. massoniana*
P. massoniana *C. sclerophylla*
L. glaber *C. glauca* *C. glauca*
L. glaber *P. massoniana* *C. sclerophylla*
L. glaber *C. glauca*
L. glaber *C. glauca*

Key Words:



Pinus massoniana

材料与方法

1.1

sclerophylla

Lithocarpus glaber

Cyclobalanopsis glauca

Castanopsis

Camellia cuspidata

Quercus glandulifera

Rhus chinensis

Liquidambar formosana

1.2

1.2.1

P_n $P_n \mu$ $C_i \mu$ G_s

P_n

P_n

P_n

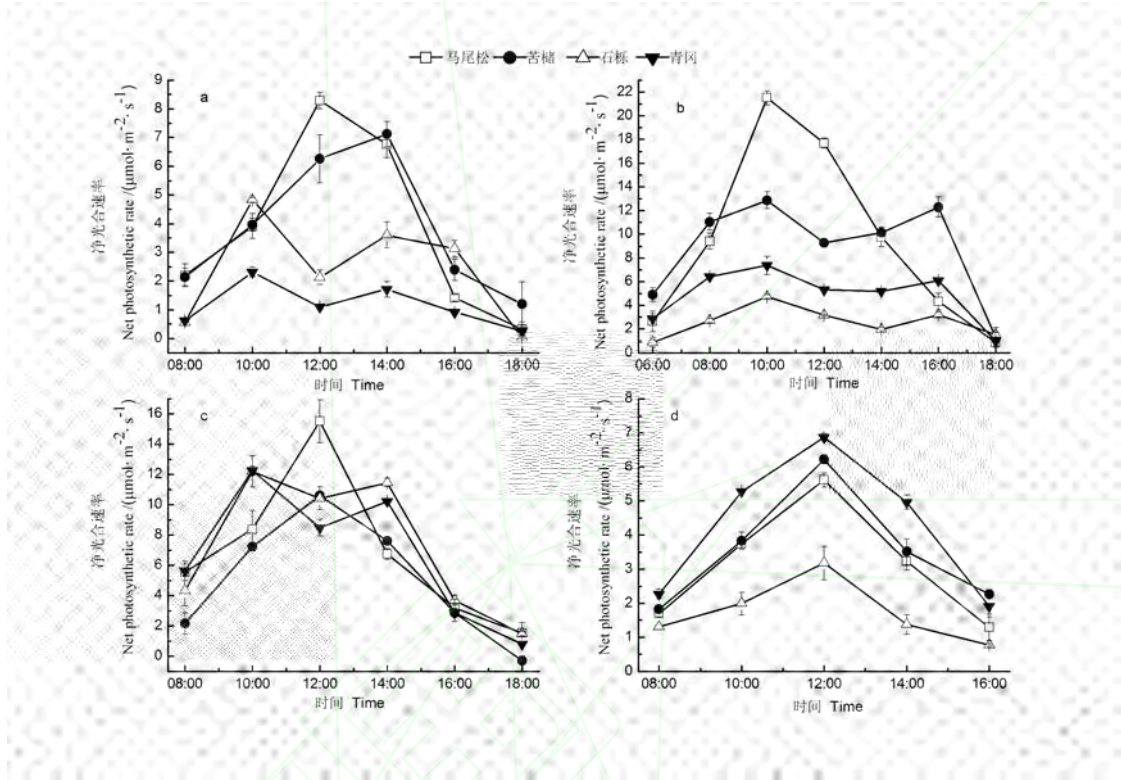
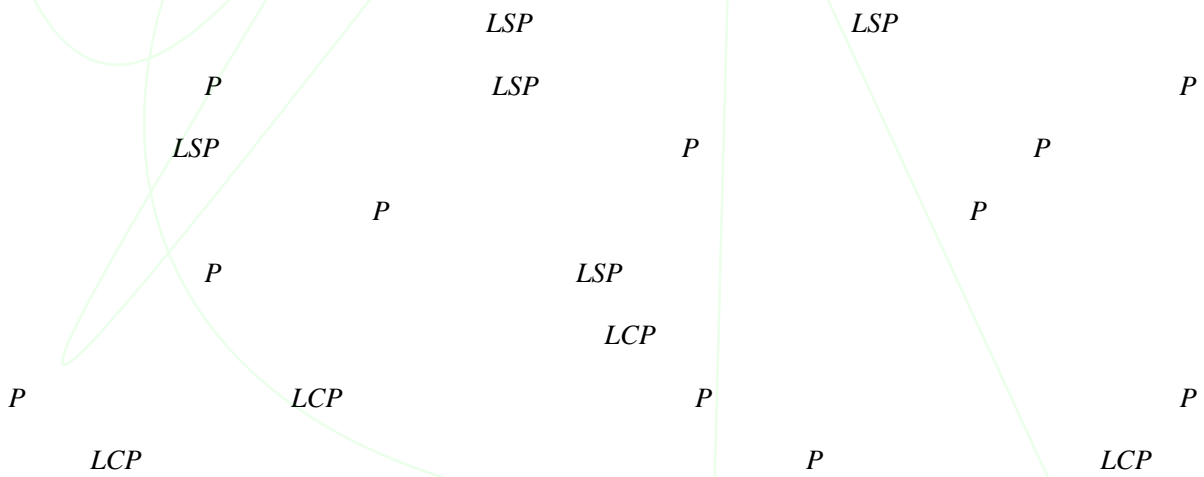


Fig.1 Diurnal dynamics of net photosynthetic rate in leaves of the dominant species

、 、 、 分别代表 月、 月、 月、 月

2.2

2.2.1



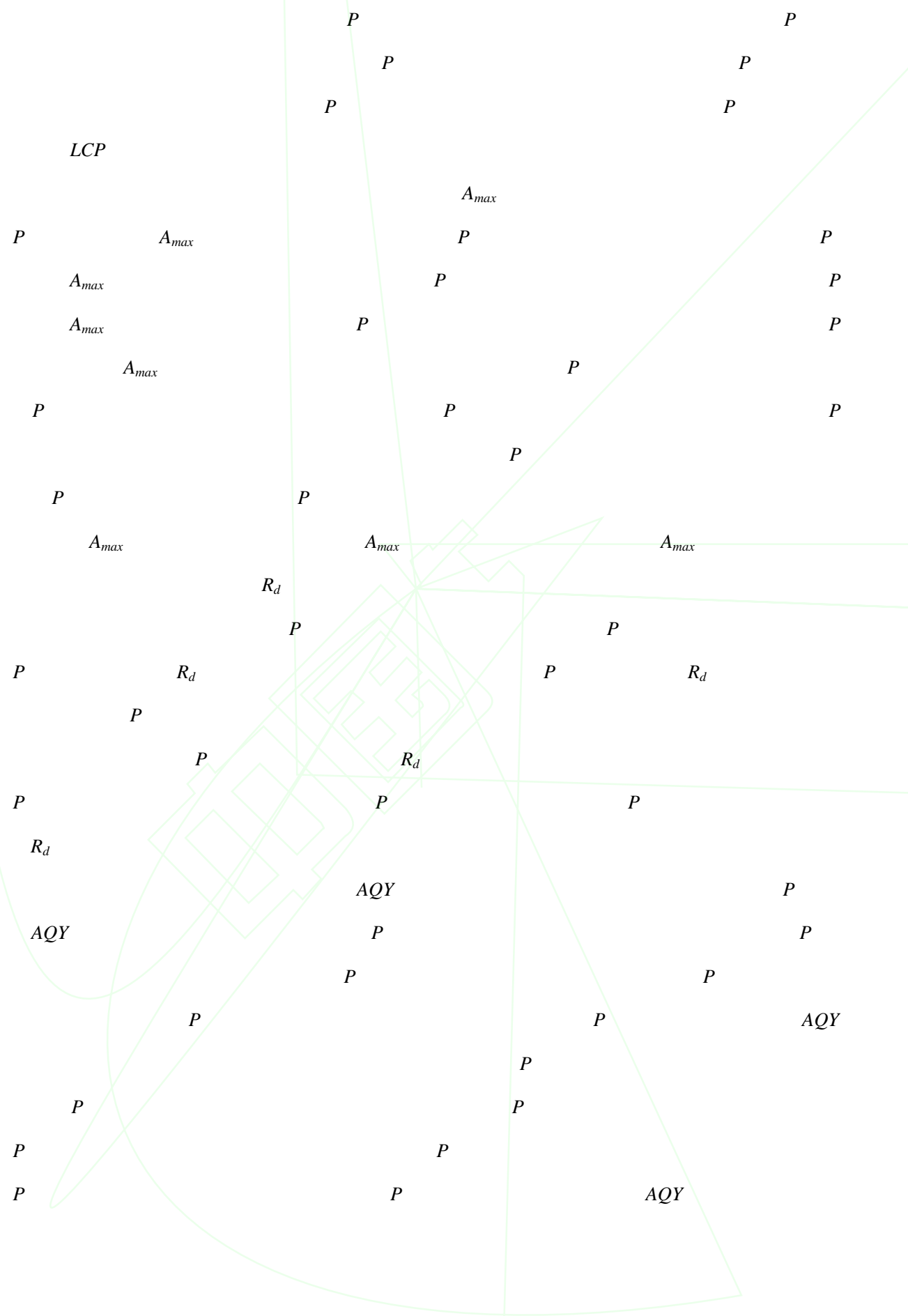


表 优势种不同季节的光响应

Table 1 Responses of photosynthesis to light in leaves of the dominant species in difference seasons

	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>
	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>
	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>
	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>
	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
	<i>L. glabra</i>
	<i>C. glauca</i>

P P

2.2.2

V_{cmax} J_{max}

P P

P P

P V_{cmax} J_{max}

表 优势种不同季节的 CO₂ 响应

Table 2 Responses of photosynthesis to CO₂ in leaves of the dominant species in difference seasons

	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>
	<i>P. massoniana</i>
	<i>C. sclerophylla</i>
μ	<i>L. glaber</i>
	<i>C. glauca</i>

P P

2.3

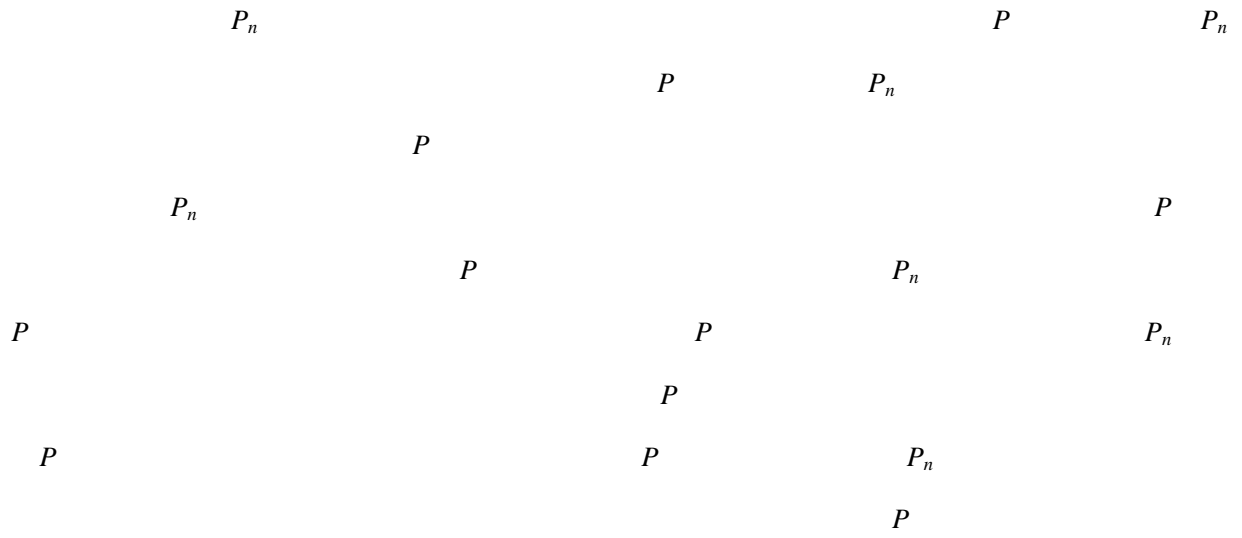


表 优势种净光合速率日积累值的季节变化

Table 3

表 优势种相对叶绿素含量的季节变化

Table 4 Seasonal variations of relative content of chlorophyll in the dominant species

<i>P. assoniana</i>		
<i>C. sclerophylla</i>		
<i>L. glaber</i>		
<i>C. glauca</i>		

P

P

讨论

3.1

P_n

Castanopsis fargesii

P_n

C_i

G_s

P_n

P_n

C_i

G_s

P_n

P_n

C_i

G_s

C_i

P_n

C_i

G_s

P_n

P_n

P_n

3.2

LCP LSP

LCP LSP

A_{max} R_d

LCP LSP A_{max} R_d

V_{cmax}

V_{cmax}

LSP

A_{max}

LCP R_d

LCP

LCP LSP A_{max} R_d

LSP

A_{max}

AQY

R_d

AQY

AQY

AQY

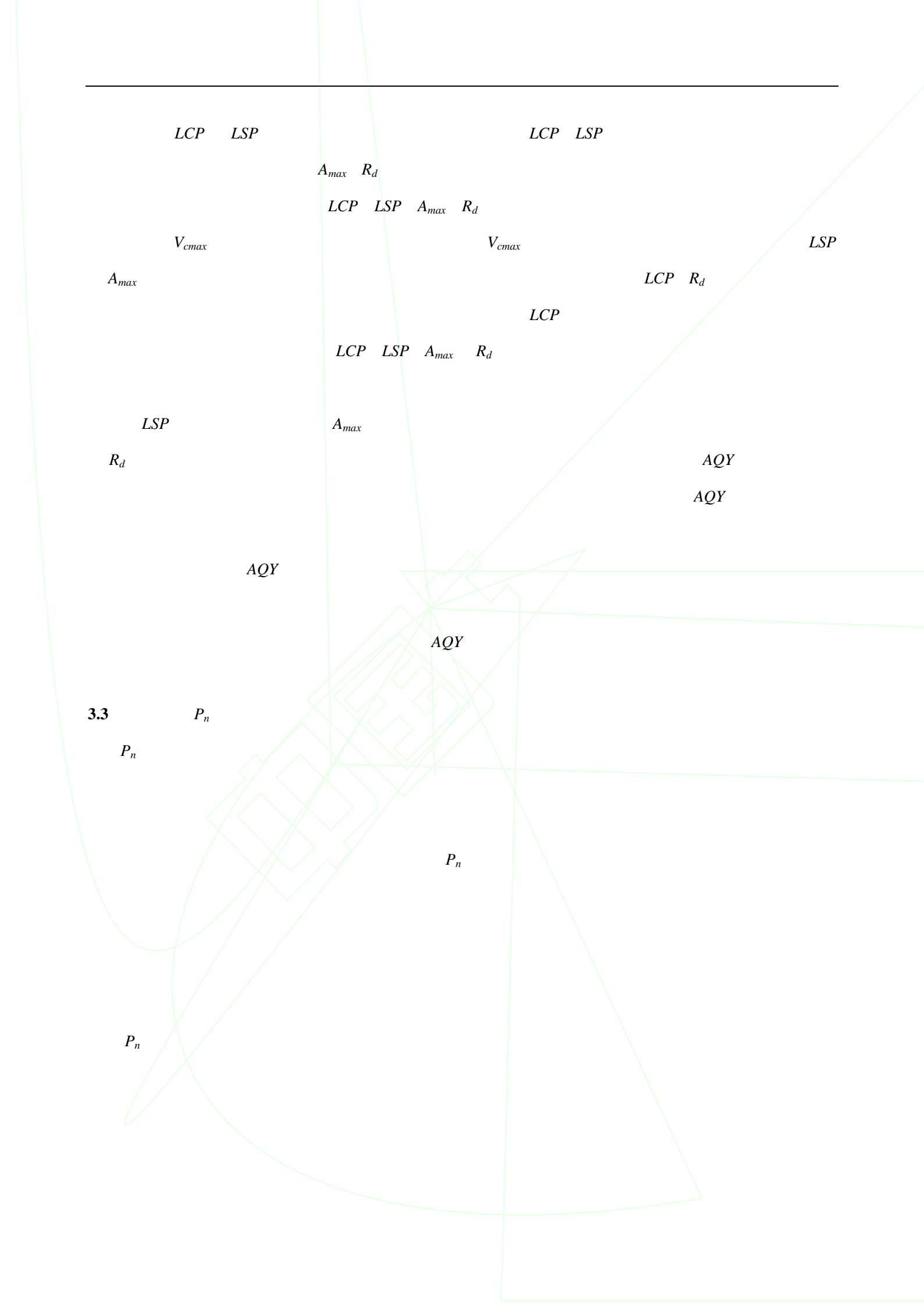
3.3

P_n

P_n

P_n

P_n



P_n

P_n

AQY

References:

Causal models and theories, a review

Spartina

alterniflora

Quercus glauca

Castanopsis sclerophylla

Castanopsis fargesii

II

primula

Castanopsis Fargesii

Schima Superba

参考文献

Castanopsis sclerophylla

