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Journal Code: JPHP	Proofreader: Mony
Article No: JPHP12253	Delivery date: 14 Mar 2014
Page Extent: 3	

Erratum

In the following article, 'Variations in chemical compositions and bioactivity of the essential oils obtained from the leaves and stems of *Liquidambar styraciflua*' (El-Readi M. Z. et al., Journal of Pharmacy and Pharmacology, 65: 1653–1663) some of the values in Table 1 are wrong.

The corrected Table 1 is printed next page.

We would like to apologise for this error.

Table 1 The Chemical composition, physical characters and yields of the *Liquidambar styraciflua* leaves and stem essential oils in four seasons after 6 h hydrodistillation

Compound Name	K.i.		% of Component* (leaf)				% of Component* (stem)				Method of identification
	Rep.	Calc.	Spring	Summer	Autumn	Winter	Spring	Summer	Autumn	Winter	
n-Octane	800	800	0.70	0.68	0.55	0.71	0.41	0.49	0.47	0.41	MS, RI, AT
3-Hexen-1-ol	856	851	0.04	0.06	0.04	0.05	tr	0.09	tr	0.10	MS, RI
n-Hexanol	864	864	-	-	-	-	tr	0.08	0.02	tr	MS, RI
n-Nonane	900	898	0.04	0.05	0.04	0.05	0.15	0.34	0.19	0.14	MS, RI
Tricydline	921	921	0.03	0.07	0.04	0.05	tr	tr	tr	tr	MS, RI
α -Thujene	926	926	0.45	0.49	0.38	0.44	0.18	0.14	0.48	0.16	MS, RI, AT
α -Pinene	934	934	27.95	26.17	27.82	27.35	14.19	11.08	16.01	11.77	MS, RI, AT
Camphene	948	948	0.76	0.73	0.98	0.82	0.95	0.59	1.82	0.78	MS, RI, AT
Sabinene	973	973	0.79	0.75	0.64	0.75	0.33	0.39	0.31	0.28	MS, RI
β -Pinene	977	977	11.20	10.06	11.25	10.70	5.34	5.58	8.58	4.36	MS, RI, AT
β -Myrcene	990	990	3.34	3.97	3.46	4.21	3.06	2.38	2.68	1.98	MS, RI, AT
p-Mentha-1(7),8-diene	996	996	0.26	0.25	0.23	0.20	-	-	-	-	MS, RI
α -Phellandrene	1002	1003	-	-	-	-	0.37	0.21	tr	0.14	MS, RI, AT
α -Terpinene	1017	1017	0.25	0.24	0.22	0.24	0.31	0.13	tr	0.11	MS, RI, AT
α -Cymene	1023	1023	0.09	0.09	0.10	1.62	0.26	0.32	tr	0.28	MS, RI
d-Limonene	1031	1031	22.34	21.69	20.71	21.07	12.89	12.77	11.20	12.59	MS, RI, AT
β -cis-Ocimene	1043	1044	0.08	0.09	0.08	0.15	-	-	-	-	MS, RI
β -trans-Ocimene	1046	1049	-	-	-	-	0.25	0.19	tr	0.03	MS, RI
γ -Terpinene	1062	1061	0.45	0.48	0.39	0.12	0.86	0.61	0.37	0.76	MS, RI
α -Terpinolene	1086	1088	0.44	0.49	0.41	0.18	0.78	0.29	0.19	0.57	MS, RI
n-Nonal	1103	1103	0.18	0.17	0.18	0.37	0.63	0.59	0.29	0.59	MS, RI
β -Fenchol	1118	1117	0.41	0.45	0.39	0.22	0.81	0.77	0.78	0.76	MS, RI
trans-4-isopropyl-1-methyl-2-cyclohexen-1-ol	1119	1021	0.04	0.09	0.07	0.11	-	-	-	-	MS, RI
1-Terpinenol	1133	1133	0.02	tr	0.02	tr	-	-	-	-	MS, RI
trans-Pinocarveol	1141	1141	0.25	0.28	0.25	0.18	0.51	0.39	0.29	0.44	MS, RI
trans-Verbenol	1144	1147	0.03	tr	0.03	0.08	0.09	0.16	tr	tr	MS, RI
Pinocarvone	1160	1162	0.22	0.14	0.31	0.22	0.21	0.08	0.26	0.19	MS, RI
Borneol	1165	1168	0.22	0.22	0.21	0.62	0.23	0.28	0.31	0.20	MS, RI, AT
Terpin-4-ol	1182	1179	1.95	2.14	1.88	1.82	2.28	2.47	2.69	1.85	MS, RI, AT
cis-3-Hexenyl butyrate	1184	1182	0.05	tr	0.03	tr	-	-	-	-	MS, RI
p-Cymen-8-ol	1186	1184	-	-	-	-	tr	0.16	tr	tr	MS, RI
α -Terpineol	1188	1192	1.86	1.71	1.66	1.90	4.25	4.51	4.62	3.91	MS, RI, AT
Myrtenol	1194	1197	-	-	-	-	tr	tr	tr	0.03	MS, RI, AT
cis-Piperitol	1195	1200	tr	tr	tr	tr	tr	0.06	tr	0.05	MS, RI
Verbenone	1204	1206	0.04	0.04	0.03	0.03	0.13	0.49	0.24	0.27	MS, RI, AT
trans-Carveol	1215	1219	0.04	0.04	0.03	0.05	0.17	0.39	0.15	0.21	MS, RI
Carvone	1239	1237	0.04	0.04	0.04	0.05	0.11	0.17	0.02	0.09	MS, RI, AT
δ -Elemene	1344	1344	0.05	0.05	0.05	0.04	2.11	1.61	2.46	2.23	MS, RI

Eugenol	1356	1357	0.04	0.11	0.09	tr	1.97	1.53	0.89	1.01	MS, RI, AT
α -Copaene	1379	1385	0.34	0.21	0.29	0.31	0.26	0.24	0.28	0.32	MS, RI
Isolongifolene	1389	1388	0.02	tr	tr	tr	0.09	0.15	0.22	0.25	MS, RI
β -Bourbonene	1390	1393	0.10	0.10	0.10	0.09	0.55	1.01	1.73	2.05	MS, RI
β -Elemene	1398	1397	0.24	0.23	0.24	0.23	0.59	0.52	0.71	1.11	MS, RI
β -Caryophyllene	1428	1428	2.56	2.51	2.68	3.10	5.43	5.52	5.44	6.89	MS, RI, AT
β -Gurjunene	1433	1435	0.04	0.02	0.02	0.03	0.59	0.71	0.73	1.37	MS, RI
α -Amorphene	1453	1450	0.11	0.07	0.09	0.06	tr	0.07	tr	tr	MS, RI
α -Humulene	1459	1460	1.50	1.72	1.67	1.32	3.89	3.91	3.69	4.89	MS, RI, AT
<i>allo</i> -Aromadendrene	1466	1466	0.66	0.75	0.64	0.67	1.97	2.24	1.88	2.51	MS, RI
γ -Muurolene	1478	1479	0.17	0.12	0.11	0.17	0.91	0.93	0.98	1.84	MS, RI
Germacrene D	1484	1487	4.80	4.91	4.86	4.58	9.89	10.91	6.69	8.73	MS, RI, AT
Epizonarene	1499	1498	0.68	0.72	0.68	0.72	-	-	-	-	MS, RI
α -Muurolene	1500	1498	-	-	-	-	0.39	0.28	0.35	0.35	MS, RI
γ -Cadinene	1513	1511	2.11	2.22	2.32	2.99	3.02	3.13	3.09	2.98	MS, RI
δ -Cadinene	1530	1533	2.42	2.37	2.45	2.42	3.99	4.17	3.88	4.17	MS, RI
α -Cadinene	1534	1542	0.08	0.09	0.11	0.07	tr	tr	tr	0.04	MS, RI
α -Calacorene	1544	1553	tr	tr	tr	tr	tr	tr	tr	0.06	MS, RI
β -Caryophellene oxide	1564	1564	0.12	0.40	0.36	tr	0.38	0.41	0.35	0.47	MS, RI, AT
Spathulenol	1577	1580	0.05	0.05	0.06	tr	tr	tr	tr	tr	MS, RI
4-Hydroxy germacrene D	1577	1587	tr	tr	tr	tr	0.45	0.42	0.53	0.34	MS, RI
Isoromadendrene oxide	1582	1593	0.35	0.38	0.40	0.39	0.20	0.17	tr	0.37	MS, RI
Veridiflorol	1601	1603	0.16	0.25	0.21	0.21	tr	tr	tr	tr	MS, RI
Cubenol	1638	1638	1.65	1.69	1.64	1.55	3.18	3.22	3.11	3.01	MS, RI
δ -Cadinol	1652	1651	1.24	1.45	1.44	2.02	4.88	4.91	4.22	4.32	MS, RI
α -Cadinol	1665	1664	1.38	1.39	1.47	2.24	5.28	5.34	5.01	4.78	MS, RI
Monoterpene hydrocarbons	68.43	65.57	66.71	67.9	66.71	67.9	39.77	34.68	41.78	33.81	
Sesquiterpene hydrocarbons	15.88	16.09	16.31	16.8	16.31	16.8	33.68	35.4	32.13	39.79	
Aliphatic hydrocarbons	0.47	0.73	0.59	0.76	0.59	0.76	0.56	0.83	0.66	0.55	
Total hydrocarbons	85.05	82.39	83.61	85.46	83.61	85.46	74.01	70.91	74.57	74.15	
Oxygenated monoterpenes	5.08	5.06	4.85	5.17	4.85	5.17	8.79	9.93	9.36	8.00	
Oxygenated sesquiterpenes	4.95	5.61	5.58	6.41	5.58	6.41	14.37	14.47	13.22	13.29	
Other oxygenated components	0.35	0.43	0.41	0.53	0.41	0.53	2.60	2.29	1.20	1.70	
Total Oxygenated components	10.38	11.10	10.84	12.11	10.84	12.11	25.76	26.69	23.78	22.99	
Total identified compounds	95.46	93.49	94.45	97.57	94.45	97.57	99.77	97.60	98.35	97.14	
Color	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Pale yellow	Pale yellow	Pale yellow	Pale yellow	
Odor	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Slightly aromatic	Slightly aromatic	Slightly aromatic	Slightly aromatic	
Specific gravity (25 °C)	0.8831	0.8873	0.8843	0.8902	0.8843	0.8902	0.9061	0.9072	0.9047	0.9025	
Yield (%v/w weight fresh plant)	0.55	0.52	0.31	0.27	0.31	0.27	0.49	0.40	0.25	0.24	

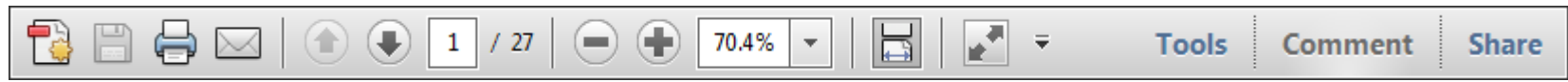
*The composition percentage is calculated: average of three analyses. MS, Identification based on mass spectral data; RI, identification based on comparison of published retention indices; AT, identification based on Co chromatography with authentic samples.

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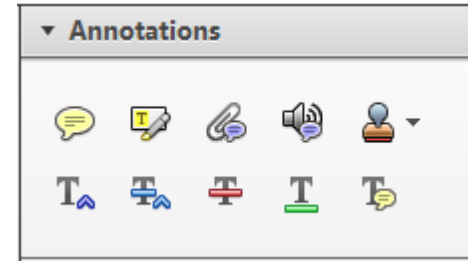
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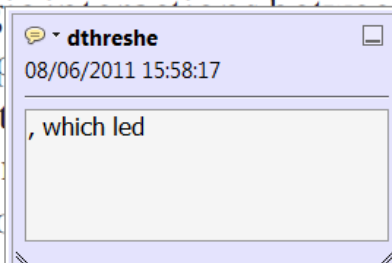


Strikes a line through text and opens up a text box where replacement text can be entered.

How to use it

- Highlight a word or sentence.
- Click on the [Replace \(Ins\)](#) icon in the Annotations section.
- Type the replacement text into the blue box that appears.

standard framework for the analysis of microeconomics. Nevertheless, it also led to the emergence of strategic behavior in the number of competitors in the industry. This is that the structure of the industry, which led to the emergence of strategic behavior, are exogenous to the industry. Important works on this by Shirasaka (henceforth) we open the 'black b



2. Strikethrough (Del) Tool – for deleting text.



Strikes a red line through text that is to be deleted.

How to use it

- Highlight a word or sentence.
- Click on the [Strikethrough \(Del\)](#) icon in the Annotations section.

there is no room for extra profits and the number of competitors are zero and the number of firms (net) values are not determined by Blanchard and ~~Kiyotaki~~ (1987), perfect competition in general equilibrium. The effects of aggregate demand and supply in the classical framework assuming monopoly are an exogenous number of firms

3. Add note to text Tool – for highlighting a section to be changed to bold or italic.



Highlights text in yellow and opens up a text box where comments can be entered.

How to use it

- Highlight the relevant section of text.
- Click on the [Add note to text](#) icon in the Annotations section.
- Type instruction on what should be changed regarding the text into the yellow box that appears.

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4. Add sticky note Tool – for making notes at specific points in the text.

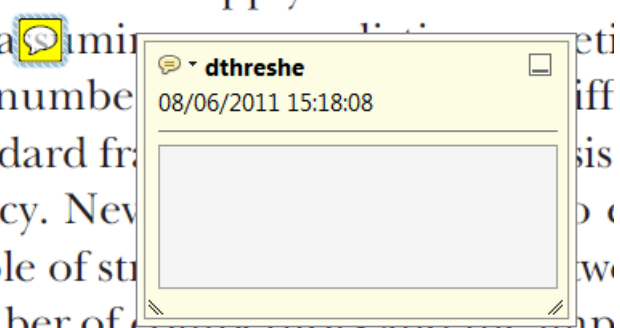


Marks a point in the proof where a comment needs to be highlighted.

How to use it

- Click on the [Add sticky note](#) icon in the Annotations section.
- Click at the point in the proof where the comment should be inserted.
- Type the comment into the yellow box that appears.

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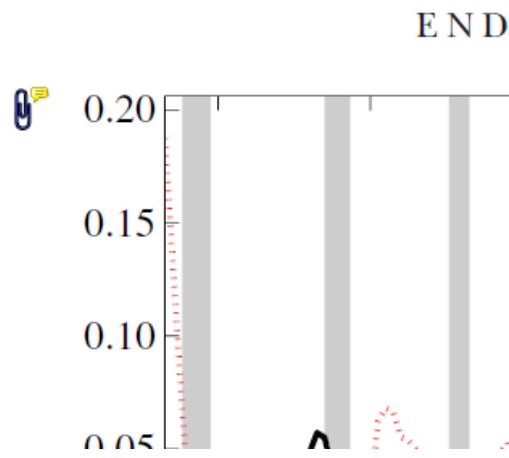
5. Attach File Tool – for inserting large amounts of text or replacement figures.



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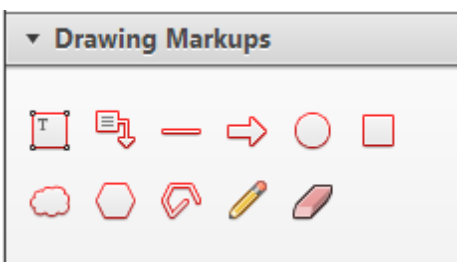


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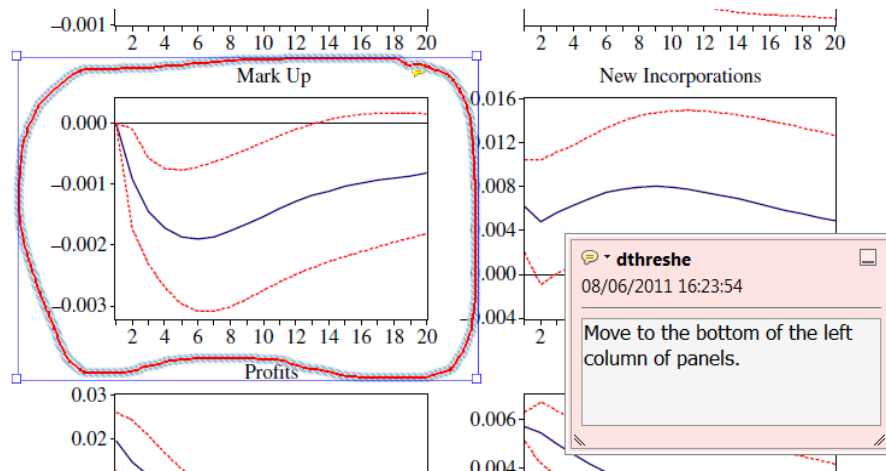


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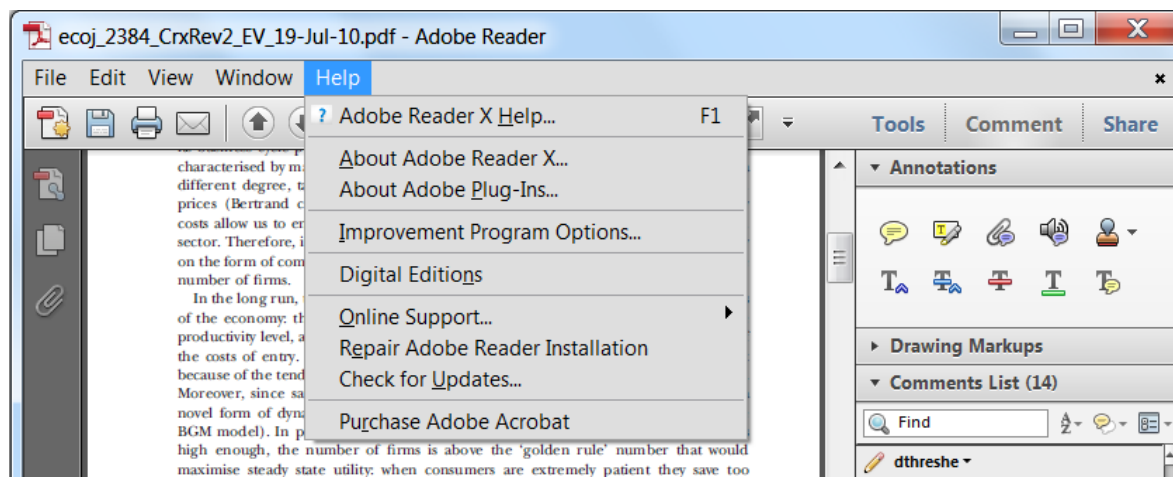
Allows shapes, lines and freeform annotations to be drawn on proofs and for comment to be made on these marks..

How to use it

- Click on one of the shapes in the [Drawing Markups](#) section.
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- To add a comment to the drawn shape, move the cursor over the shape until an arrowhead appears.
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Insert in text the matter indicated in the margin	∧	New matter followed by ∧ or ∧ [Ⓢ]
Delete	/ through single character, rule or underline or ┌───┐ through all characters to be deleted	Ⓞ or Ⓞ [Ⓢ]
Substitute character or substitute part of one or more word(s)	/ through letter or ┌───┐ through characters	new character / or new characters /
Change to italics	— under matter to be changed	↙
Change to capitals	≡ under matter to be changed	≡
Change to small capitals	≡ under matter to be changed	≡
Change to bold type	~ under matter to be changed	~
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Change to lower case	Encircle matter to be changed	≡
Change italic to upright type	(As above)	⊕
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Insert 'superior' character	/ through character or ∧ where required	Y or Y under character e.g. Y or Y
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Insert full stop	(As above)	⊙
Insert comma	(As above)	,
Insert single quotation marks	(As above)	Y or Y and/or Y or Y
Insert double quotation marks	(As above)	Y or Y and/or Y or Y
Insert hyphen	(As above)	H
Start new paragraph	┌	┌
No new paragraph	┐	┐
Transpose	┌┐	┌┐
Close up	linking ○ characters	○
Insert or substitute space between characters or words	/ through character or ∧ where required	Y
Reduce space between characters or words		↑