

<< 2010-06 >>

add an "internal links" bar. ✓

All Subdirectories

[nb](#) [one](#) [thumbs](#)

push to the very bottom ✓

put a "subdirectories" section, which will exclude the "system" subdirectories. ✓

[visible only if present]

Notebook Pages

Page	Created (UT)	Last Modified (UT)
<a href="#">Random</a>	2010-06-03 07:24:03	2010-06-24 14:00:46
<a href="#">Montpellier Preps</a>	2010-04-23 20:03:51	2010-05-30 03:45:03
--- <a href="#">Montpellier Second Pass</a>	2010-05-13 12:55:04	2010-05-30 03:45:12
--- <a href="#">Montpellier Day -10</a>	2010-05-24 20:29:28	2010-05-30 03:45:23
--- <a href="#">Montpellier Day -5</a>	2010-05-29 18:06:01	2010-05-30 15:31:13
--- <a href="#">Montpellier Day -4</a>	2010-05-30 15:24:34	2010-06-02 11:11:26
--- <a href="#">Montpellier Talk 3</a>	2010-06-04 04:30:39	2010-06-04 08:12:10
<a href="#">Aleksseev in Montpellier: The Kashiwara-Vergne Problem</a>	2010-06-03 12:20:00	2010-06-04 07:56:54
<a href="#">Ghana Prepreplanning</a>	2009-08-24 12:35:08	2010-05-30 03:45:46
--- <a href="#">Ghana Preps</a>	2010-05-29 19:18:05	2010-06-02 07:20:51
--- <a href="#">The Prizm Construction</a>	2010-06-17 20:24:16	2010-06-17 21:12:13
--- <a href="#">I am a boy</a>	2010-06-24 20:57:40	2010-06-26 08:09:16
--- <a href="#">My Ghana Experience</a>	2010-06-26 10:06:07	2010-06-26 10:48:46
<a href="#">The Sled</a>	2010-06-02 11:10:28	2010-06-02 11:18:24
<a href="#">HTC</a>	2010-06-06 14:35:41	2010-06-06 15:14:48
<a href="#">w-Link Relations</a>	2010-06-12 13:48:54	2010-06-24 14:09:00
<a href="#">U(nder)</a>	2010-06-13 08:34:30	2010-06-24 09:09:37
<a href="#">Furusho on Racinet</a>	2010-06-15 08:13:15	2010-06-16 09:17:25
<a href="#">Vgl</a>	2010-06-26 08:41:01	2010-06-26 10:28:33

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Mathematica Notebooks

Notebook (.pdf)	Source (.nb)	Created	Last Modified	Summary
<a href="#">BarycentricSubdivision</a>	<a href="#">source</a>	2010-06-19 08:10:42	2010-06-26 06:34:46	Programs to generate pictures of the barycentric subdivision and of the prizm construction, written for my summer class on <a href="#">Homology</a> , Accra, Ghana, June 2010.
<a href="#">TheKauffmanBracket</a>	<a href="#">source</a>	2010-06-22 07:12:06	2010-06-26 06:37:57	A very simple Kauffman-bracket program, written in-class during my summer class on <a href="#">Homology</a> , Accra, Ghana, June 2010.

Images



[BarycentricSubdivision2D-1.png](#)



[BarycentricSubdivision2D-2.png](#)



[BarycentricSubdivision2D-3.png](#)



[BarycentricSubdivision3D-1.png](#)



[BarycentricSubdivision3D-1-Shrank.png](#)



[BarycentricSubdivision3D-2.png](#)

$$\frac{120}{2} = 60$$
 waste =  $120 - (4 \cdot 60) = 120 - 240 = -120$  ✓  

$$120 = l \cdot h$$
  
 waste =  $l \cdot (120 - h)$   
 $\sim 100l$   


---

 bricks even at  
 $20l = 120^2$   
 $l = 720$



BarycentricSubdivision2D-1.png



BarycentricSubdivision2D-2.png



BarycentricSubdivision2D-3.png



BarycentricSubdivision3D-1.png



BarycentricSubdivision3D-1-Shrank.png



BarycentricSubdivision3D-2.png



BarycentricSubdivision3D-2-Shrank.png



Prizm.png




Prizm-Shrank.png

$$\begin{array}{c} 120 \\ \square \\ \hline \end{array} \quad \text{waste} = \begin{array}{c} 120(120) \\ = 120^2 - 120^2 \end{array}$$



$$\text{Waste} = p \cdot (120 - h) \sim 100l$$

bricks even at  $20l = 120^2$   
 $l = 720$   
 but typical  $l$  is  $\leq 360$

count  $\checkmark$    
 in 3 columns.

[visible only]  $\checkmark$   
 if present

**Other Files**

[AccraQuestionnaire.odt](#) [AccraQuestionnaire.pdf](#)

**All Files**

[AccraQuestionnaire.odt](#) [AccraQuestionnaire.pdf](#) [BarycentricSubdivision2D-1.png](#)  
[BarycentricSubdivision2D-2.png](#) [BarycentricSubdivision2D-3.png](#) [BarycentricSubdivision3D-1.png](#)  
[BarycentricSubdivision3D-1-Shrank.png](#) [BarycentricSubdivision3D-2.png](#) [BarycentricSubdivision3D-2-Shrank.png](#) [BarycentricSubdivision.nb](#) [index.html](#) [Prizm.png](#) [Prizm-Shrank.png](#)  
[TheKauffmanBracket.nb](#)

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 All Subdirectories } in smaller font.  
 All Files }  $\checkmark$