

数学日記 愛と理想 第21日

蛭子井博孝編著

1. 歴史の中の定理 もーれーの周辺定理
2. どれもみんなの定理 点線円幾何学 103-2
3. どれもみんなのパチクリ EYE
4. Hoval Doval 第3定義の周辺
5. 今日の言葉、

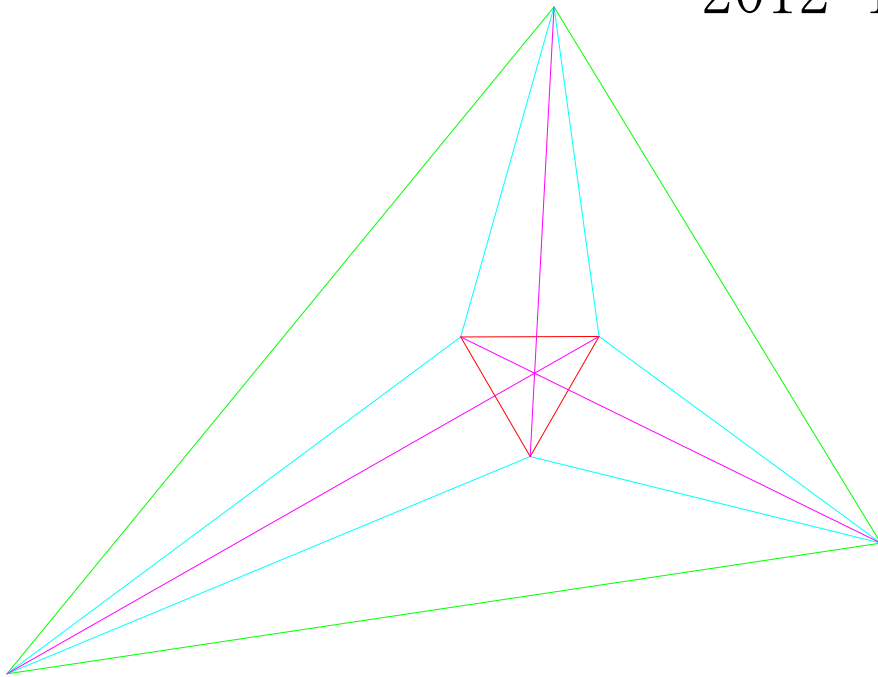
 とるよりとられる方がまだまし。
6. 基本問題 垂直平行問題.
7. 詩集 白き筋雲

卵形線研究センター

<http://wabi.de-blog.jp/>

モーレーの周辺定理

2012-11-28



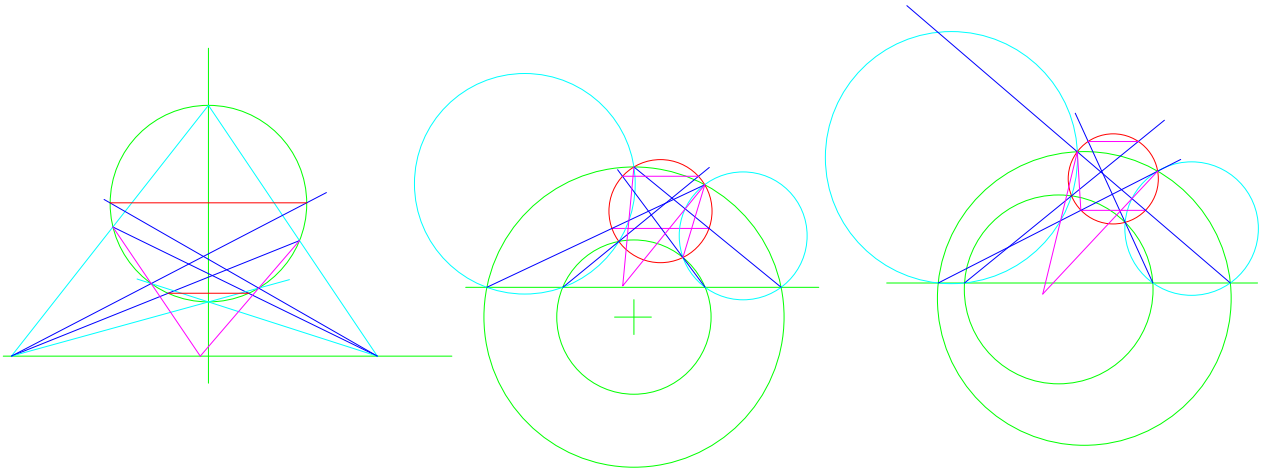
蛭子井博孝：

数学日記 愛と理想 第21日

HI-103-2

同心円の平行線定理 2

2008-1-30



左の図と右の図本質的に同じだろうか

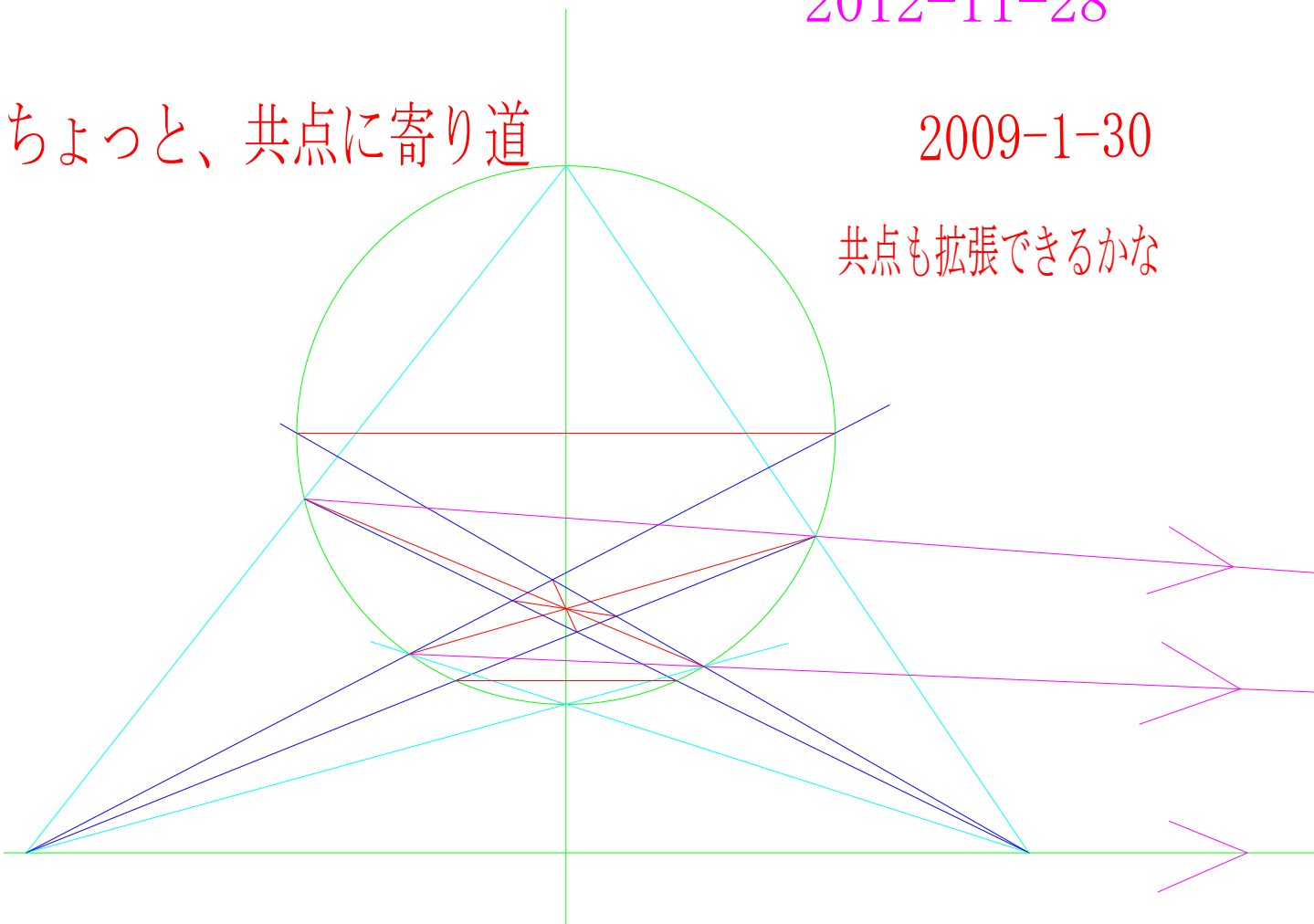
by 蛭子井博孝

2012-11-28

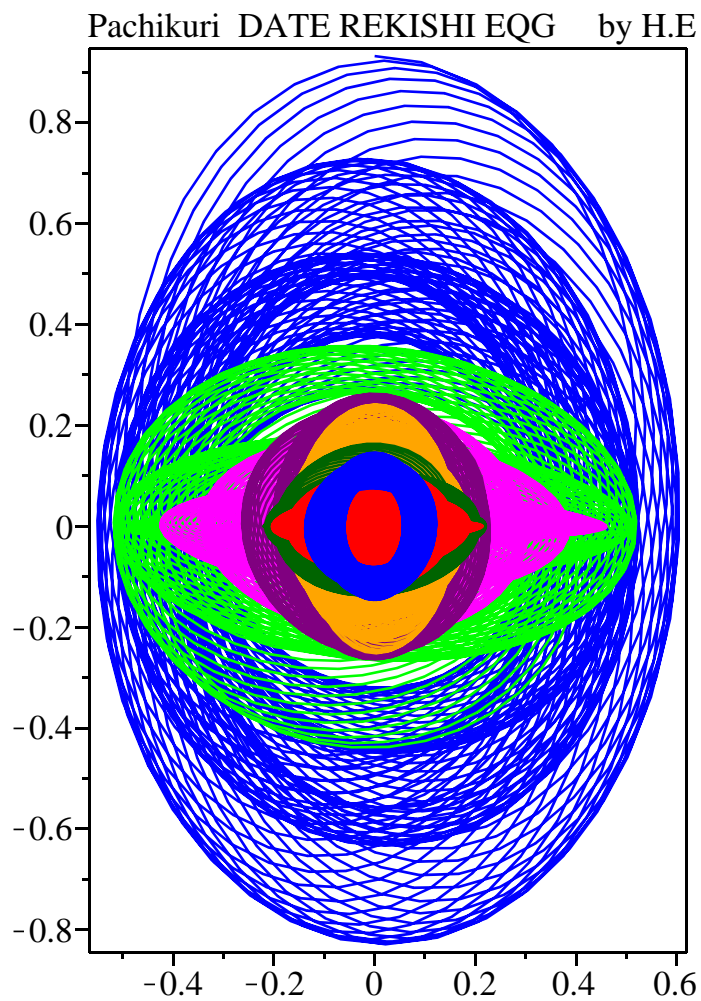
ちょっと、共点に寄り道

2009-1-30

共点も拡張できるかな



パチクリ Eye



"09-06:00:54 PM"

"Pachikuri Ho Sujigumo by H.E"

TL709G4 - O47, HEB = [5, 4, 1]

$$X = \frac{1}{4} \sin(20 t) \sin\left(\frac{\cos(\cos(t))}{1+t}\right) + \sin(709 t) \sin\left(\frac{\cos(\cos(t))}{1+t}\right)$$

$$Y = \frac{1}{4} \cos(20 t) \sin\left(\frac{\sin(\cos(t))}{1+t}\right) + \cos(709 t) \sin\left(\frac{\sin(\cos(t))}{1+t}\right)$$

"Pachikuri hongo to ha meikyokutukuri by H.E"

数学日記 愛と理想 第21日

Doval の第3定義の周辺定理

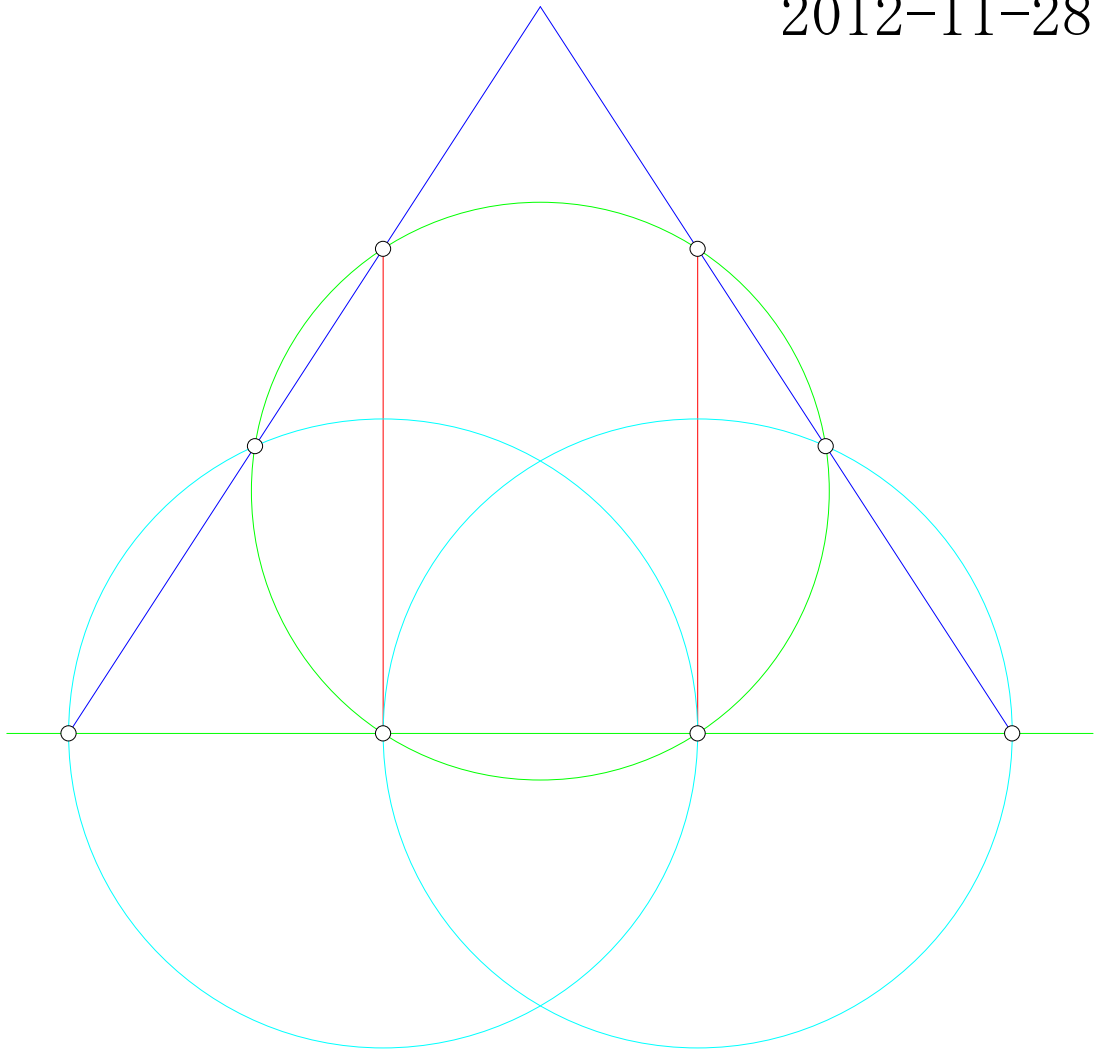
2012/11/30



蛭子井博孝：

垂直平行問題

2012-11-28



蛭子井博孝：

数学日記 愛と理想 第21日

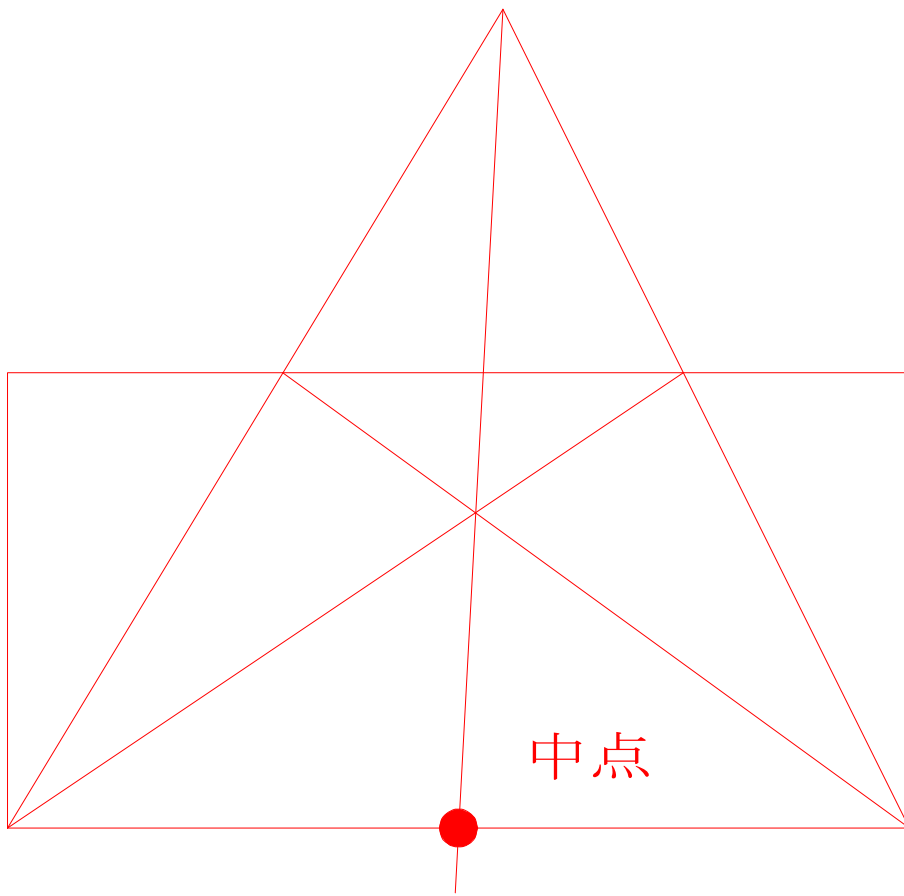
白き筋雲

くる秋を一人空見て楽しまん白き筋雲高空の風
生きている秋の空気のさわやかさ一人静かに故山に登る
タイプうち心の発露求めては君に捧げし今夜は楽し
悲しみも知らず生きてた少年の遠き昔に今日は帰ろう
愛されて育った自分だのにもう愛する人は身近にはいず
小夜ふけて心を洗う静けさに悲しみいつか消えてゆくなり
訪れた一夜の夢に過ぎし日を重ねて過ごす老いも忘れて

心の平和

真っ白なノートに大きく図を入れたそうしたら解けた難問の謎
今までで一番君が僕のことわかってくれた痛みもすべて
今日もまた心の平和おとずれて希望が湧いてすべて明るく
今日から街に出て行く田舎などおもしろくない子供が言う
君がいて始めて僕は楽しんだ再会の日も雨であったが
秋の日に君と出かけた港にはカモメが飛んだ漁船があった
アパートの 短い暮らし 思い出の 町には今日も 夕日が照らす
二昔 過ぎて心は 浄化した すべての痛み 苦痛の日々を
巡り来る はるやいつしか 葉桜の 木陰に憩う 夏を待ちぬる

ありがとう



数学日記 愛と理想 第22日

蛭子井博孝編著

1. ナポレオンの周辺定理

1. どれもみんなのパチクリ 花

1. どれもみんなの点線円幾何学 103-3

1. Doval 第四定義 周辺定理

1. 今日の俳句

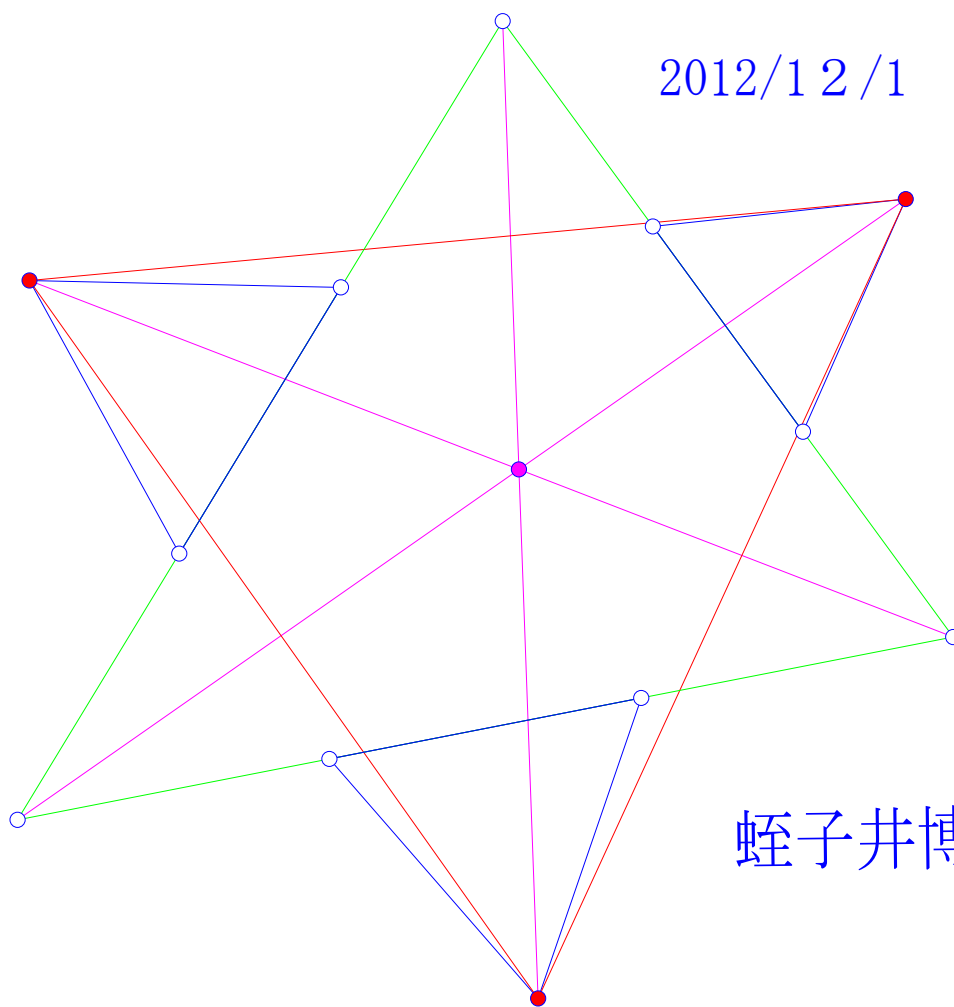
楽しさや冬がめぐりて愛淡く

1. 基本問題 平行線円周上共点問題

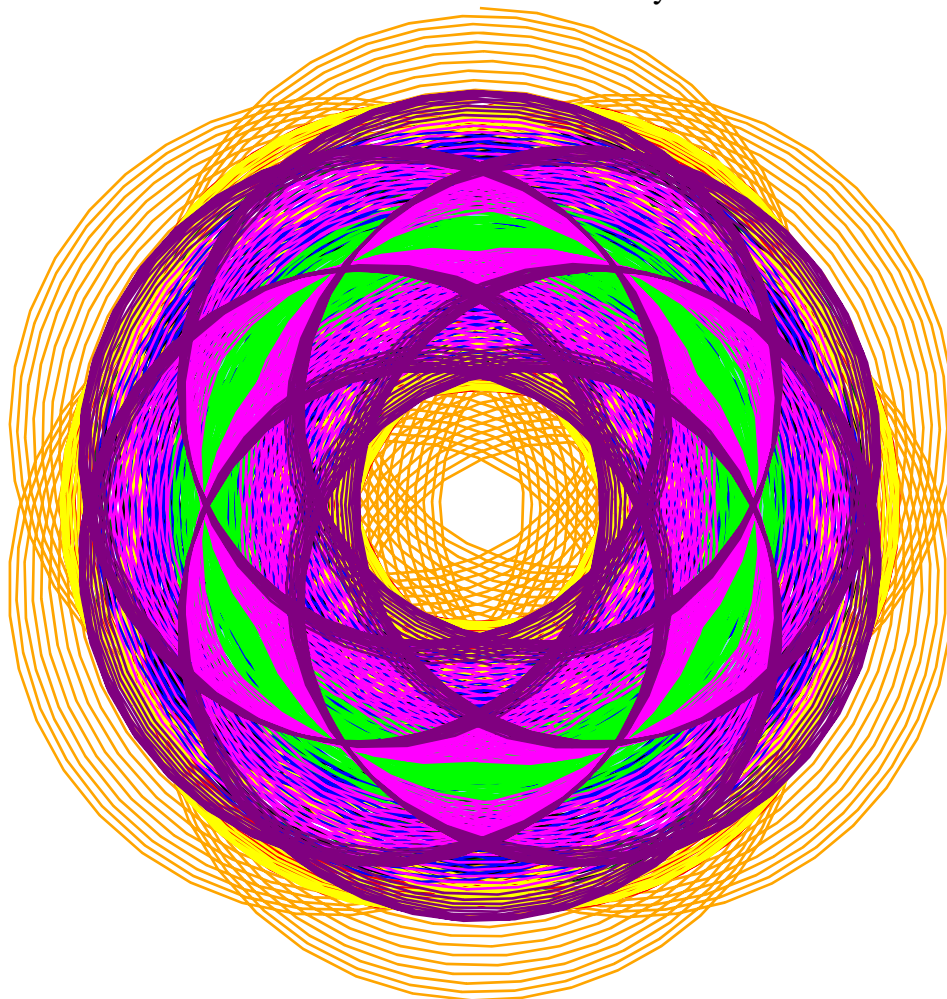
数学日記 愛と理想 第22日

ナポレオンの周辺定理

2012/12/1



蛭子井博孝



$BGT = "12-01-08:25:21 \text{ AM}"; No = [1], HEB = [7, 5, 1]$

$$X = \sin\left(\frac{8407}{12} t\right) + \sin\left(\frac{1201}{12} t\right) \cos(t) \cos\left(\cos\left(\frac{\cos(t)}{1+t}\right)\right)$$

$$Y = \cos\left(\frac{8407}{12} t\right) + \cos\left(\frac{1201}{12} t\right) \cos(t) \cos\left(\cos\left(\frac{\cos(t)}{1+t}\right)\right)$$

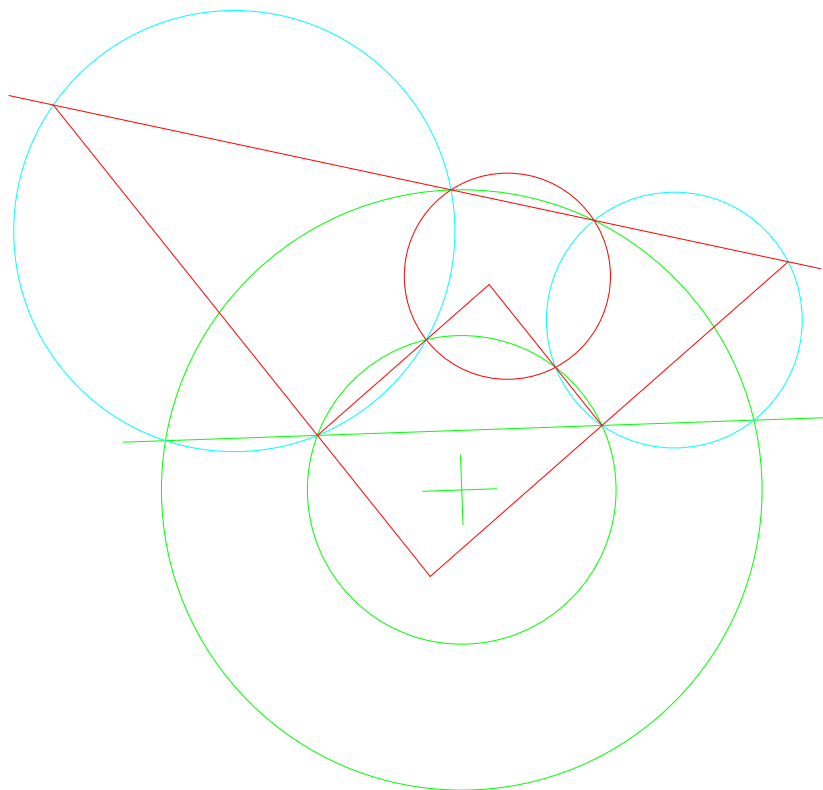
$$\left[t = 0..2\pi, st = \frac{1}{10} \right], \text{蛭子井博孝}$$

"2012-12-01-08:25:21 AM"

HI-103-3

同心円の平行線定理 2

2008-1-30

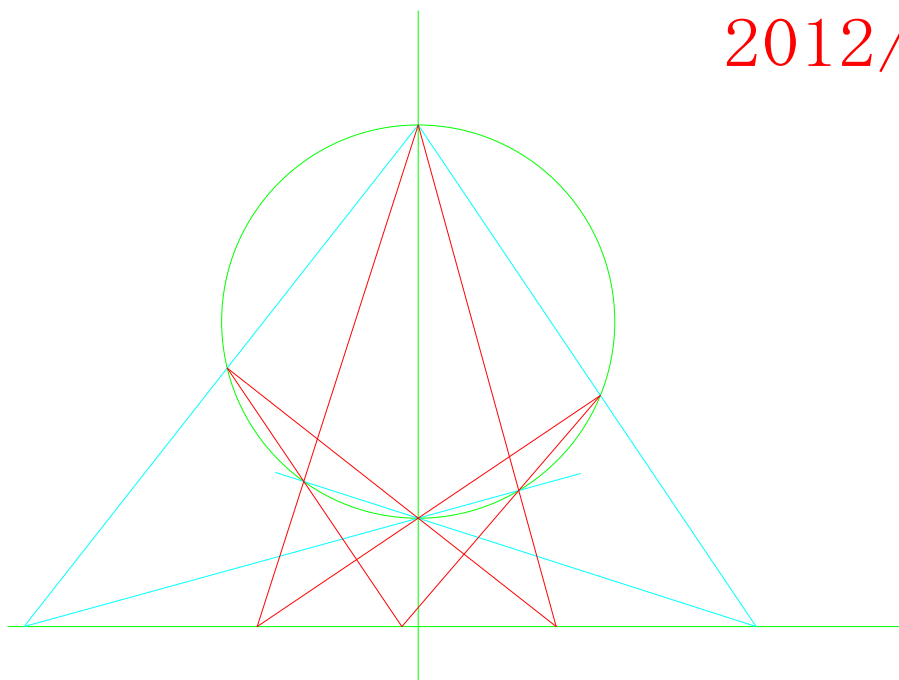


by 蛭子井博孝

2009-4-17

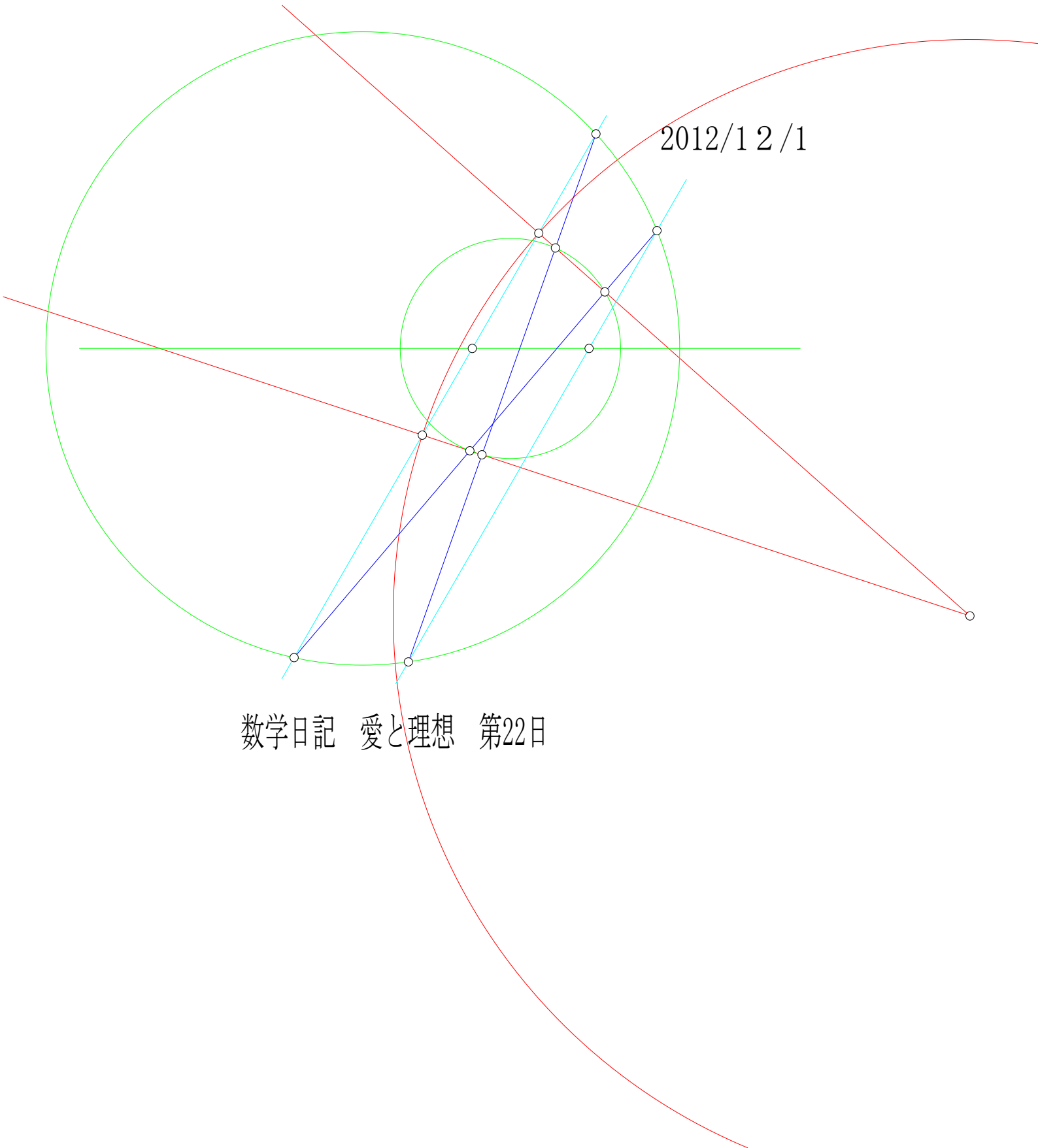
ちょっと、共点に寄り道

2012/1 2 /1



Doval の第4定義の周辺定理

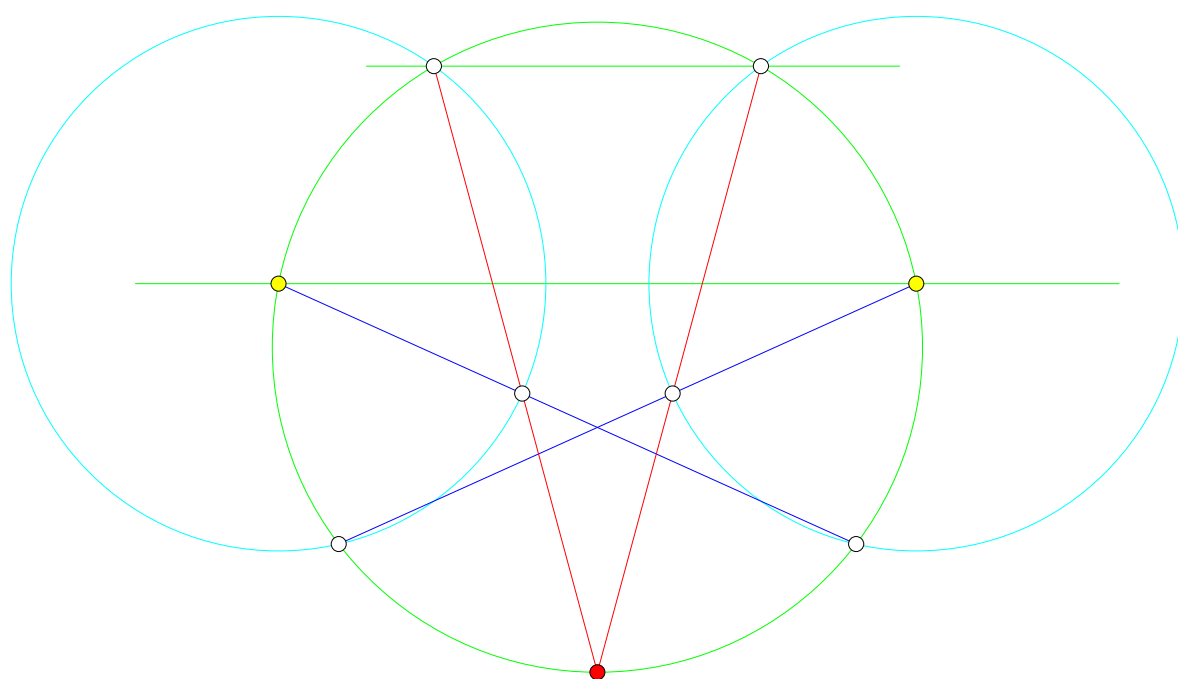
2012/12/1



数学日記 愛と理想 第22日

平行共点問題

2012/12/1



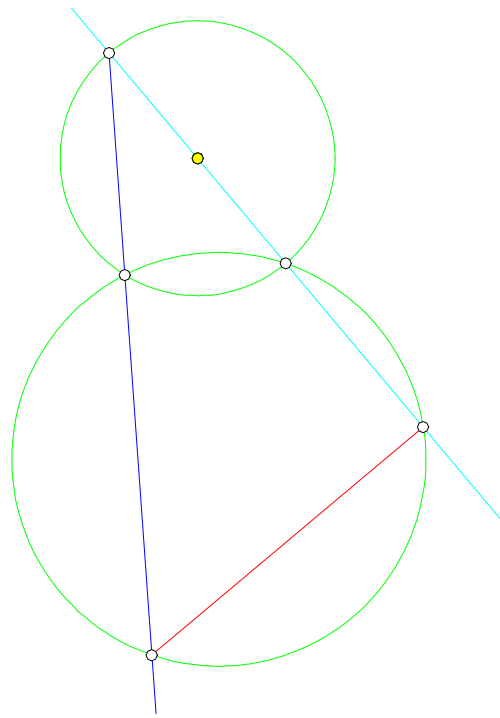
蛭子井博孝

数学日記 愛と理想 第22日

耕せば歌なり 山頭火

つぶやけば2人楽しい 微水弧山

ありがとう



数学日記 愛と理想 第 23 日

蛭子井博孝編著

1. パップスの定理の周辺

1. どれもみんなのパチクリ

1. どれもみんなの点線円幾何学 202-2

1. Doval の第 1 定義の周辺定理

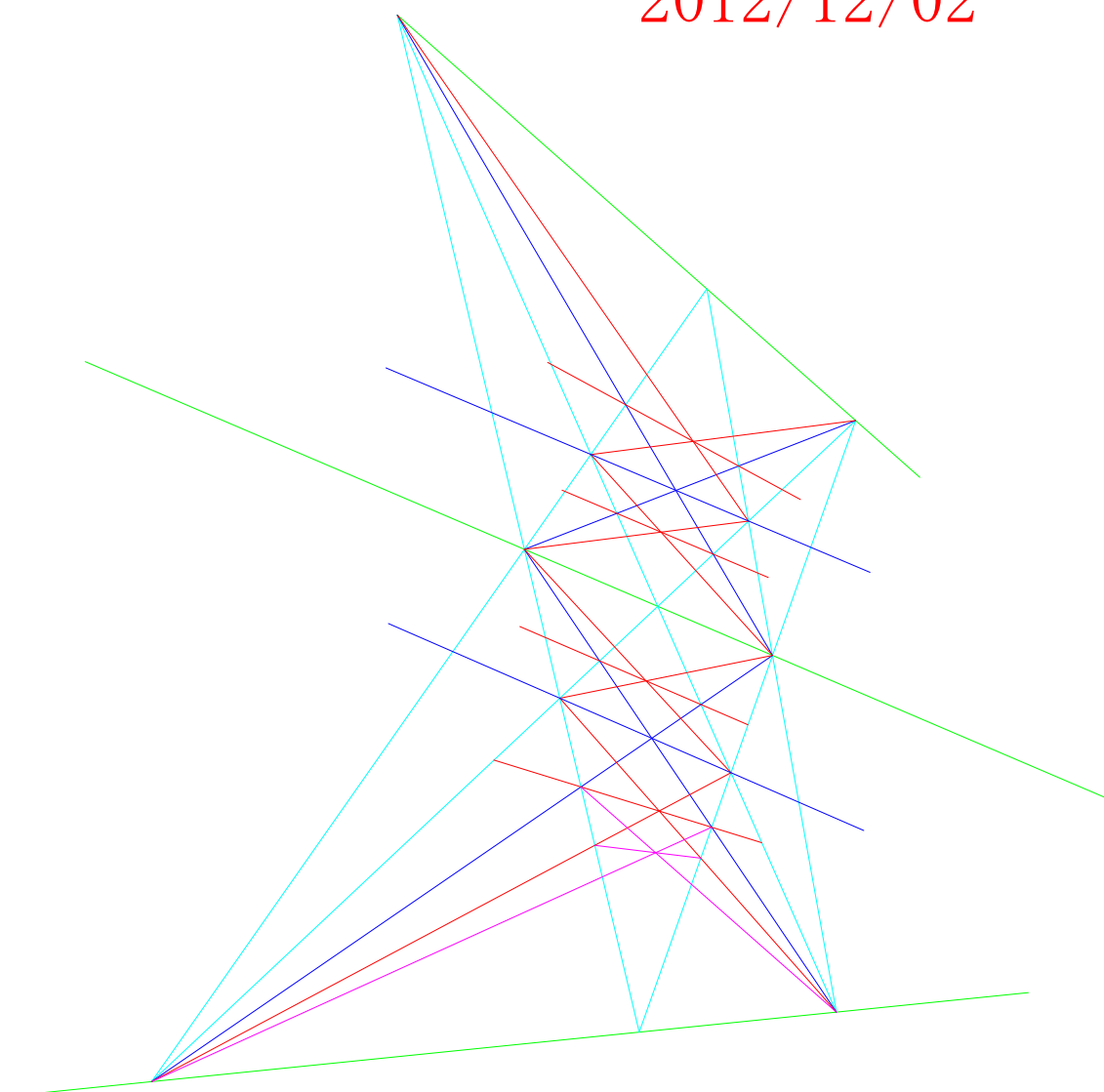
1. 今日も俳句

寒さくる町クリスマス飾り付け

1. 基本問題

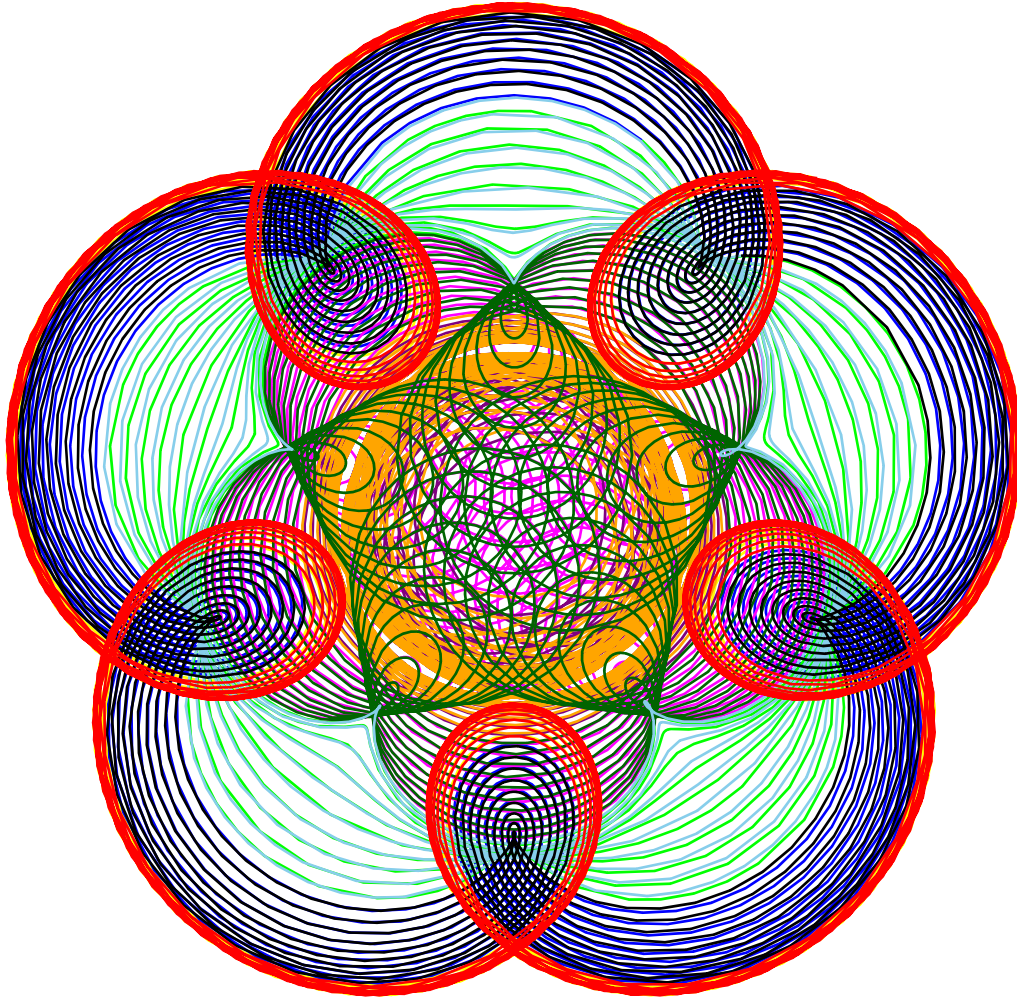
パップスの上下無限連鎖定理

2012/12/02



蛭子井博孝

数学日記 愛と理想 第23日



$BGT = "02 (08:40:49 AM)", [1], HEB = [7, 5, 2]$

$$X = \sin\left(\frac{601}{6} t\right) \cos(\sin(\tan(\cos(t)))) + \sin\left(\frac{4207}{12} t\right) \cos\left(\frac{3005}{12} t\right) \sin(\tan(\cos(t)))$$

$$Y = \cos\left(\frac{601}{6} t\right) \cos(\sin(\tan(\cos(t)))) + \cos\left(\frac{4207}{12} t\right) \cos\left(\frac{3005}{12} t\right) \sin(\tan(\cos(t)))$$

$$\left[t = 0 .. 2\pi, st = \frac{1}{8} \right], CN = \{3\}, \text{蛭子井博孝}$$

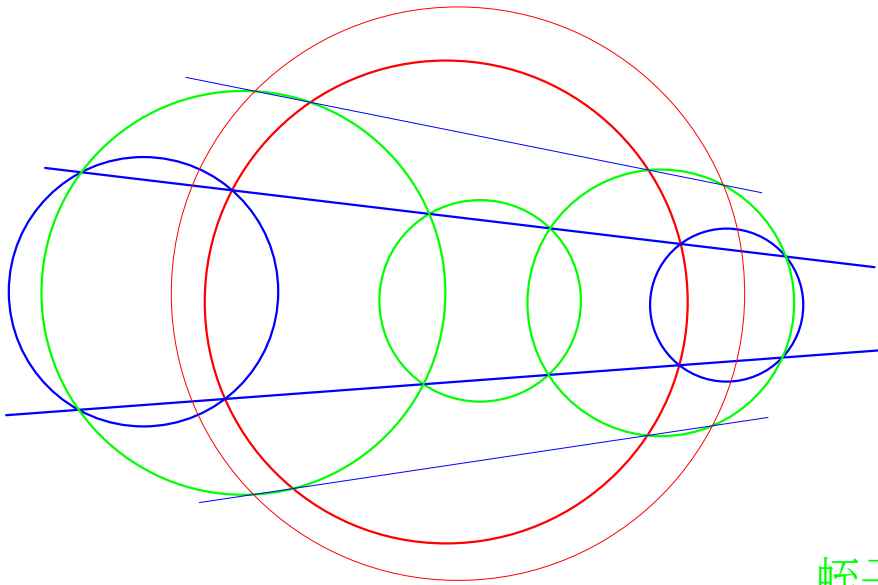
"2012-12-02 (08:40:49 AM)"

蛭子井博孝

共円定理

HI-202-2

2008-2-27

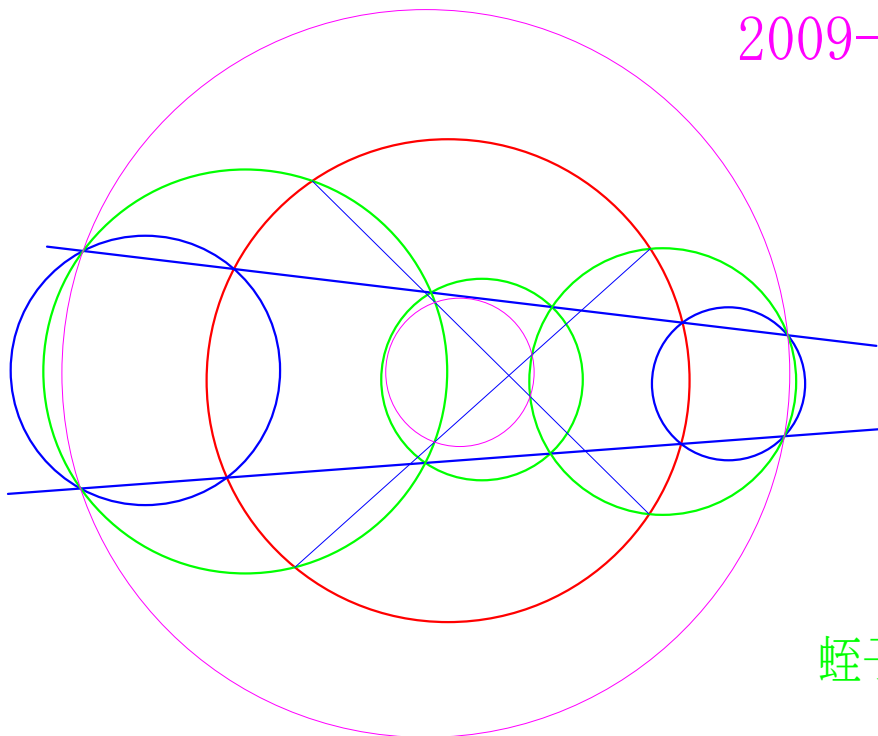


蛭子井博孝

2012-12-02

横 縦 斜め 高さ 奥

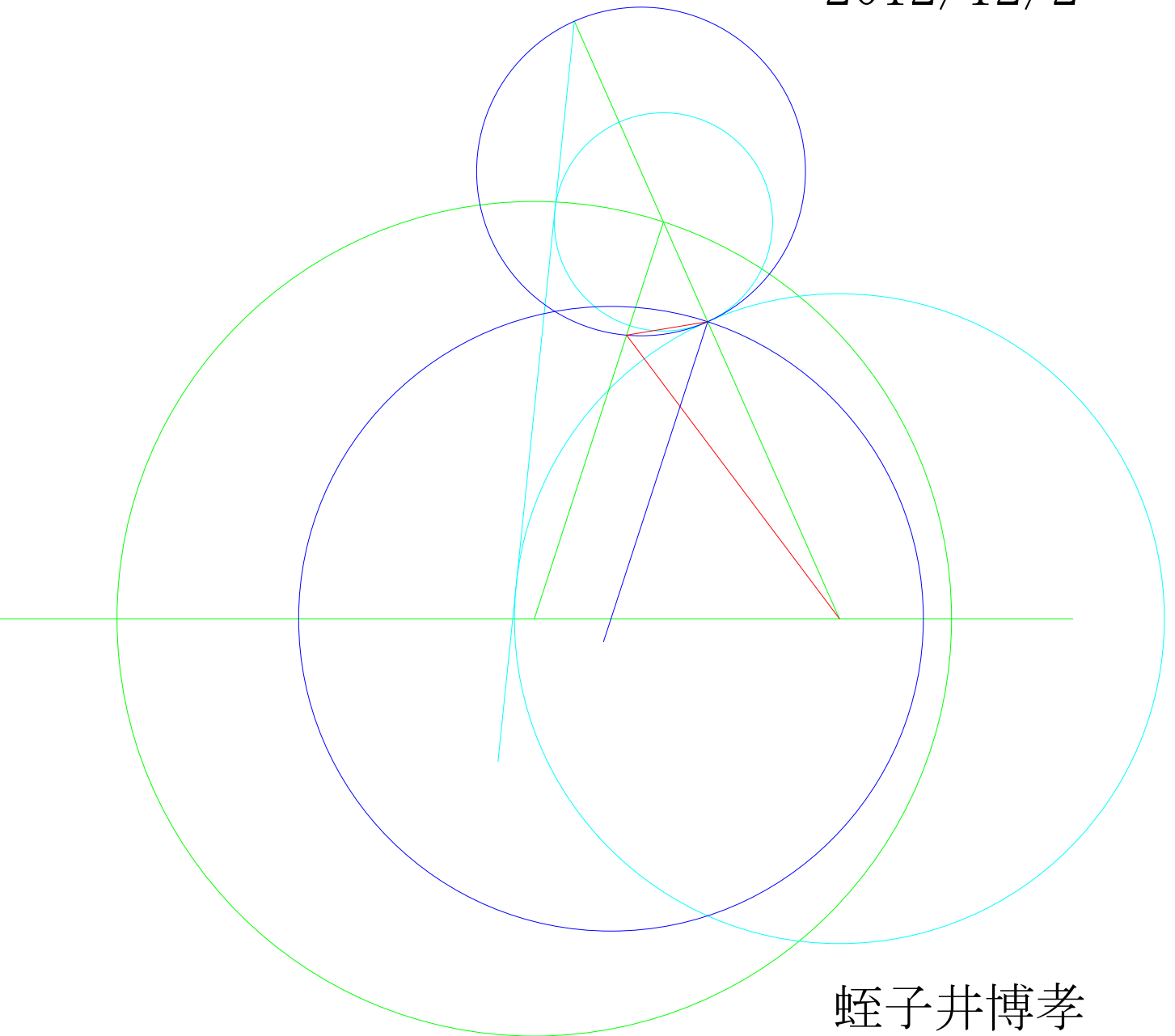
2009-2-7



蛭子井博孝

Doval の第1定義の新作図法

2012/12/2

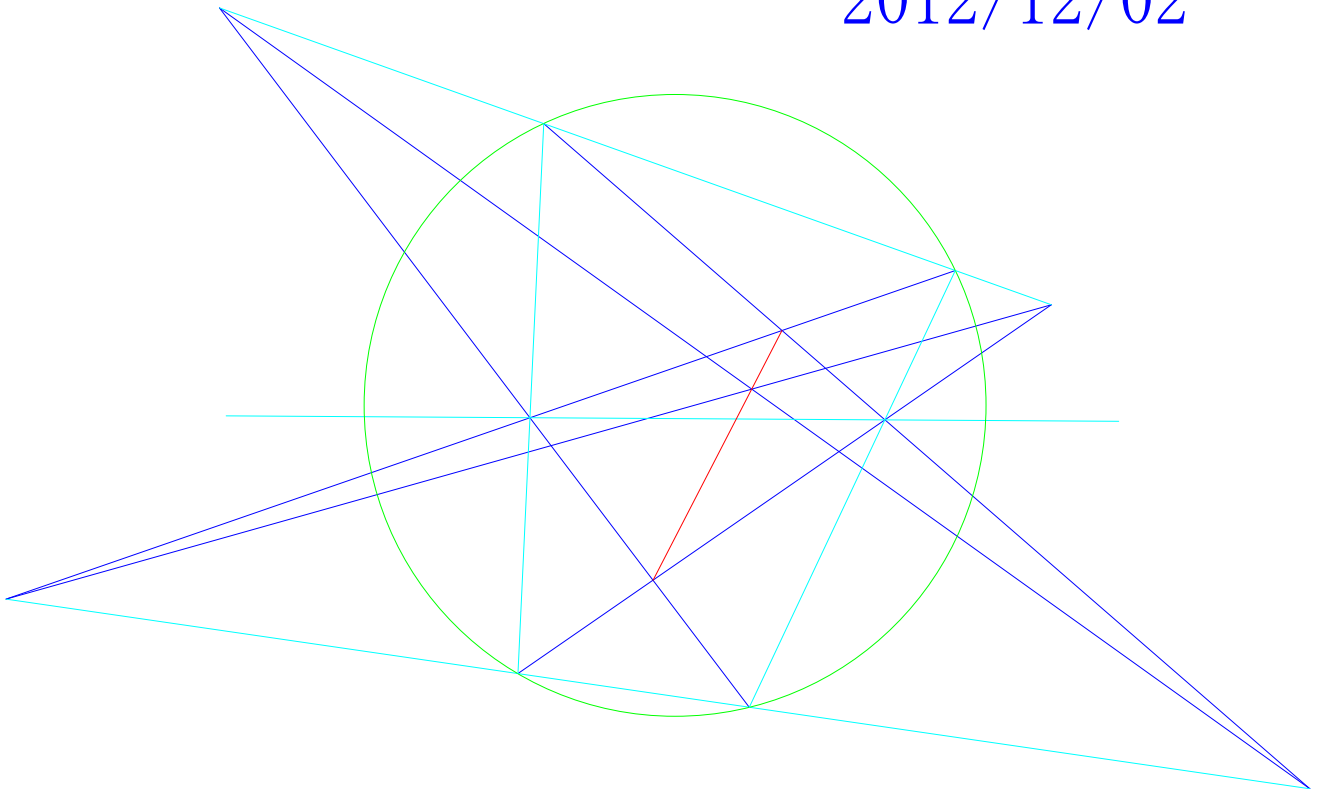


蛭子井博孝

数学日記 愛と理想 第23日

3線 共線定理

2012/12/02

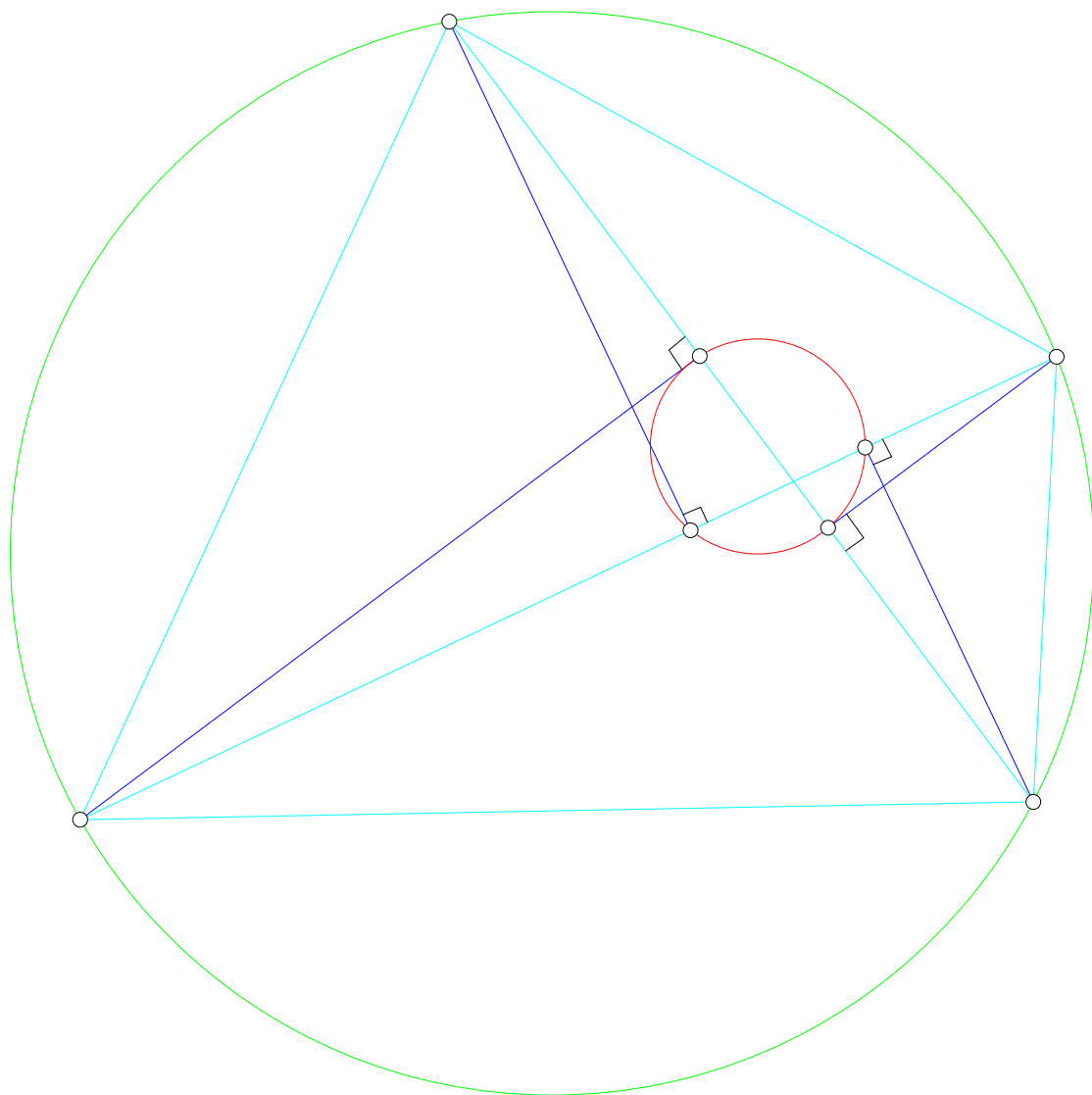


数学日記 愛と理想 第23日

蛭子井博孝

歩けば出会う二人
登れば見える景色
走れば汗かく真夏
食べればおいしいご飯
見ればうれしい笑顔

ありがとう



(HEX62)

数学日記 愛と理想 24日

蛭子井博孝編著

1. 歴史の周辺定理 ナポレオンの四辺形か

1. どれもみんなのパチクリ 忘れ物

1. どれもみんなの点線円幾何学 303-2

1. Doval 第二定義の周辺定理

1. 今日の俳句

うれしくてうれしくてゆく冬の町

1. 基本問題 長方形の中の共円

1. 五行歌 さまよえば一人

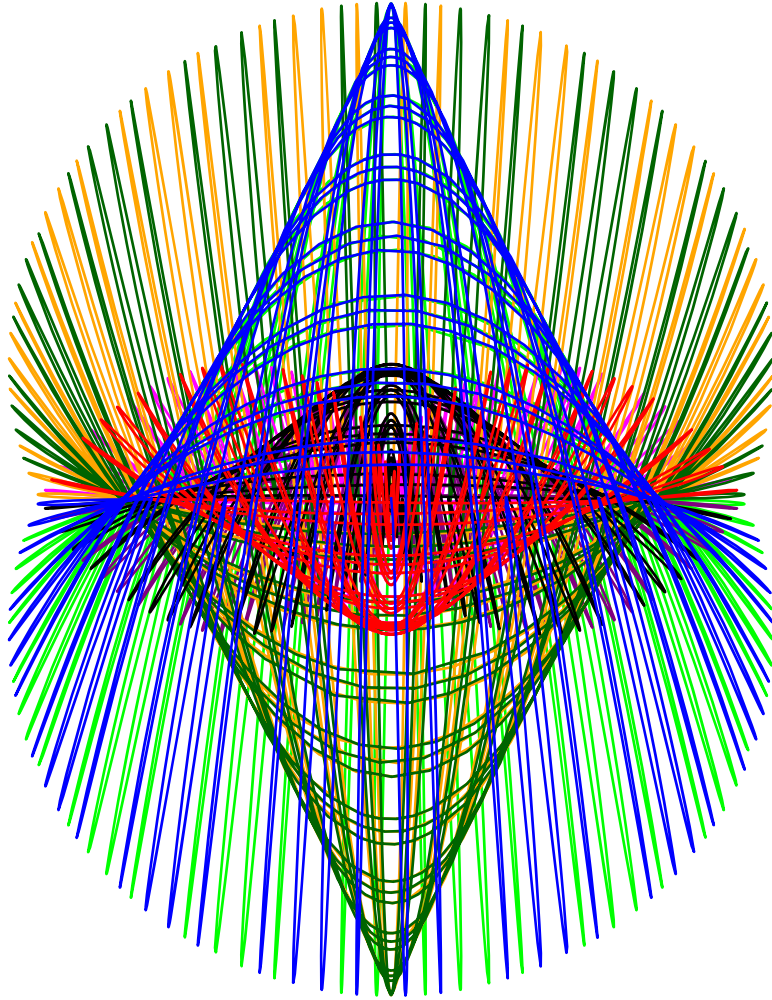
2012-12-5



四辺形正三角形566。。。点共円無限拡大定理

蛭子井博孝

PACHIKURI 814 NATSU by H.E



$BGT = "14 (08:00:35 AM)", [2], HEB = [1, 1, 2]$

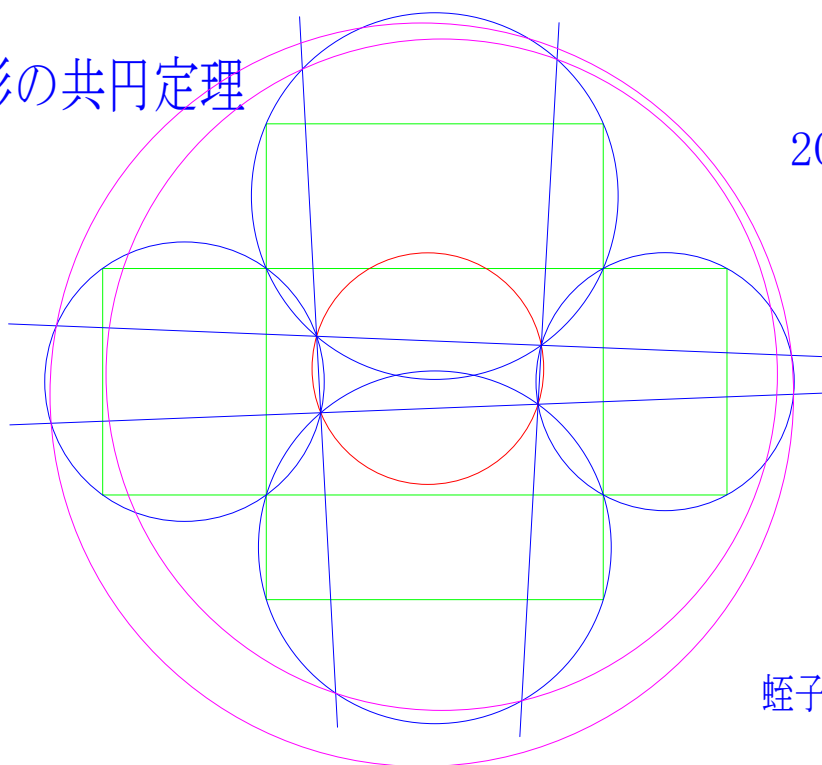
$$X = \sin(2t) \sin\left(\frac{11}{2} \cos(37t)\right) \cos(t)$$

$$Y = \cos(2t) \cos(11 \cos(37t)) \cos(t)$$

$$\left[t = 0..2\pi, st = \frac{1}{8} \right], \text{ 蛭子井博孝}$$

長方形の共円定理

2008-9-16

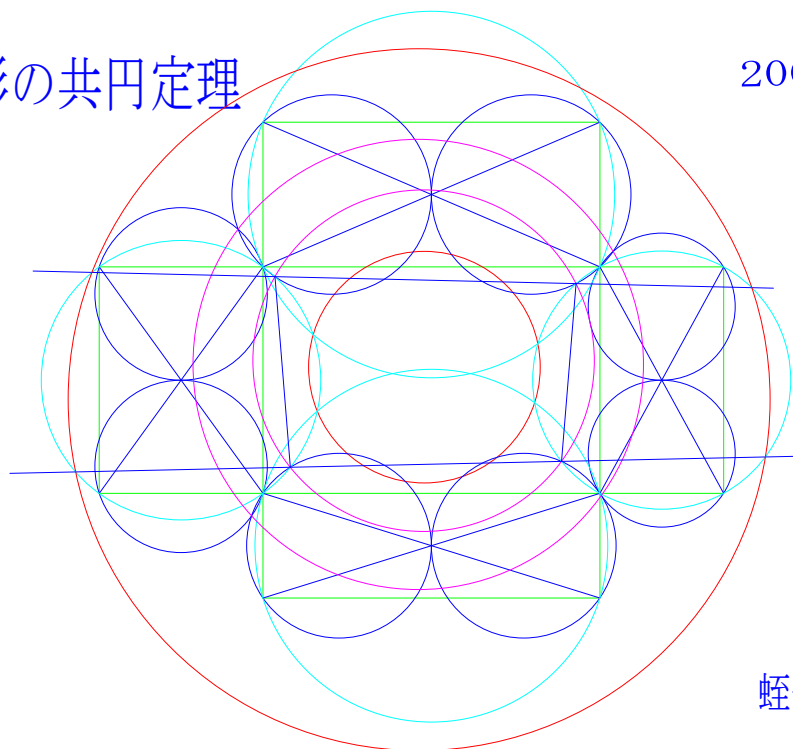


蛭子井博孝

2012-1-04

長方形の共円定理

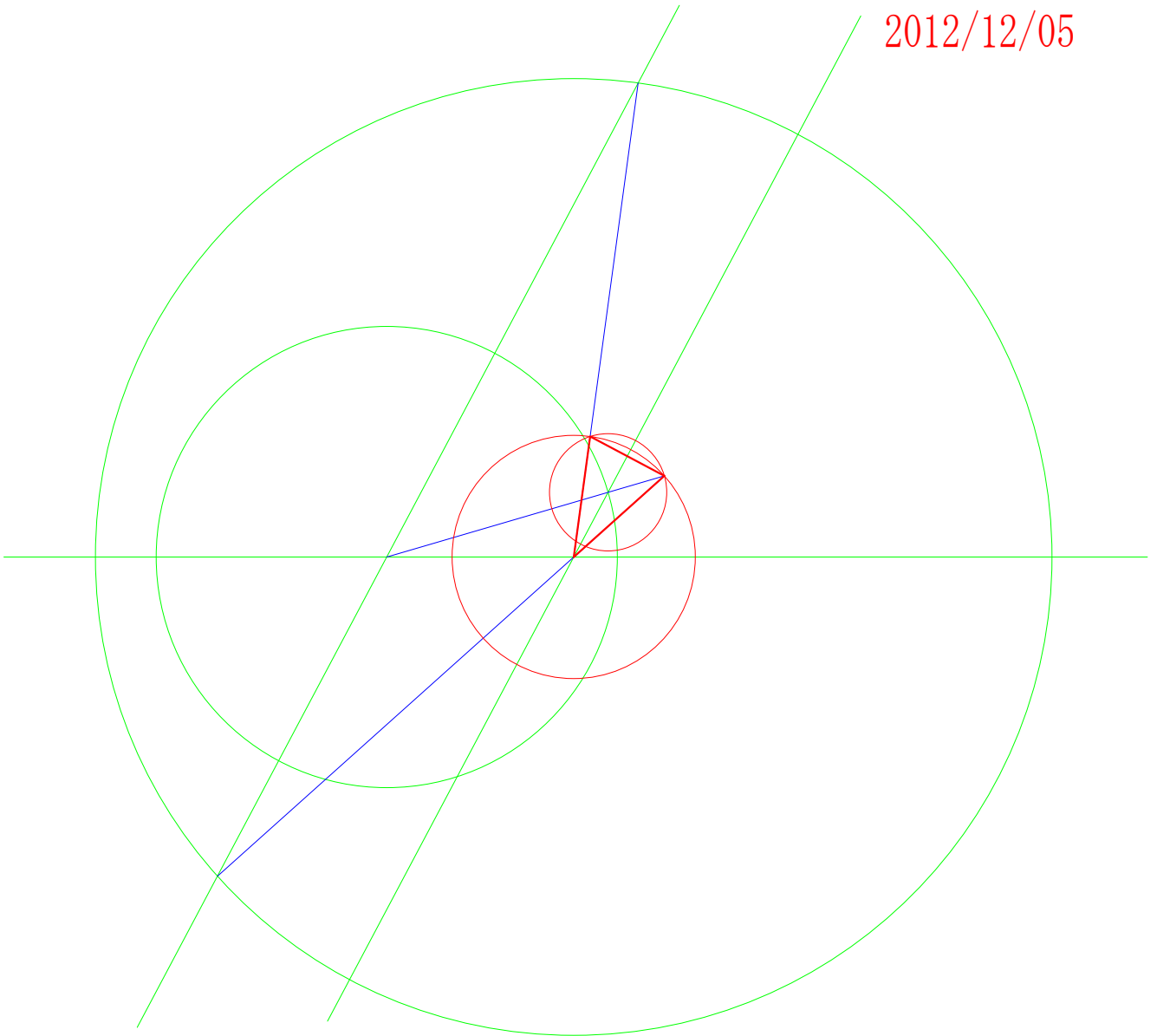
2009-2-21



蛭子井博孝

Dovalの第2定義の周辺定理

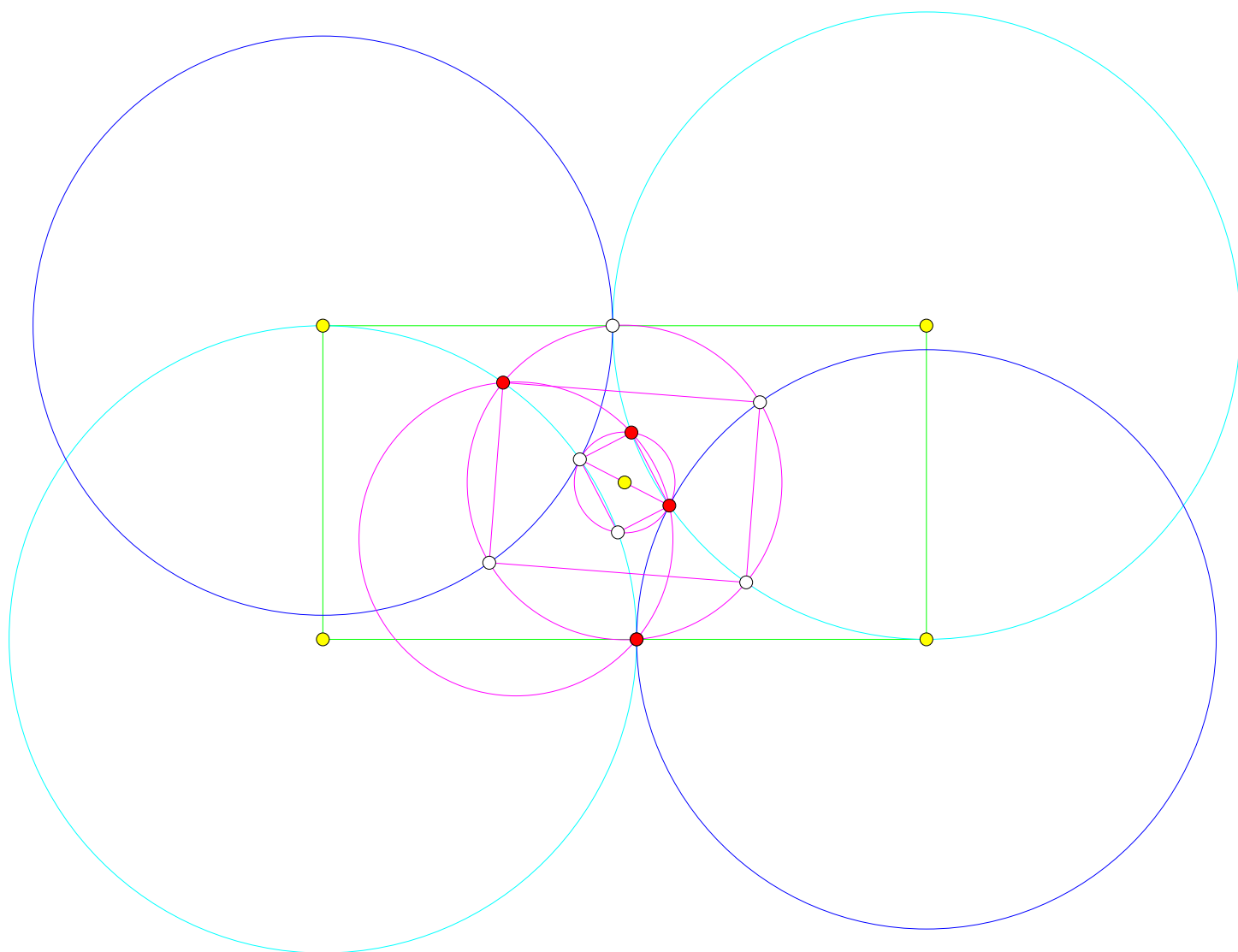
2012/12/05



蛭子井博孝

基本問題

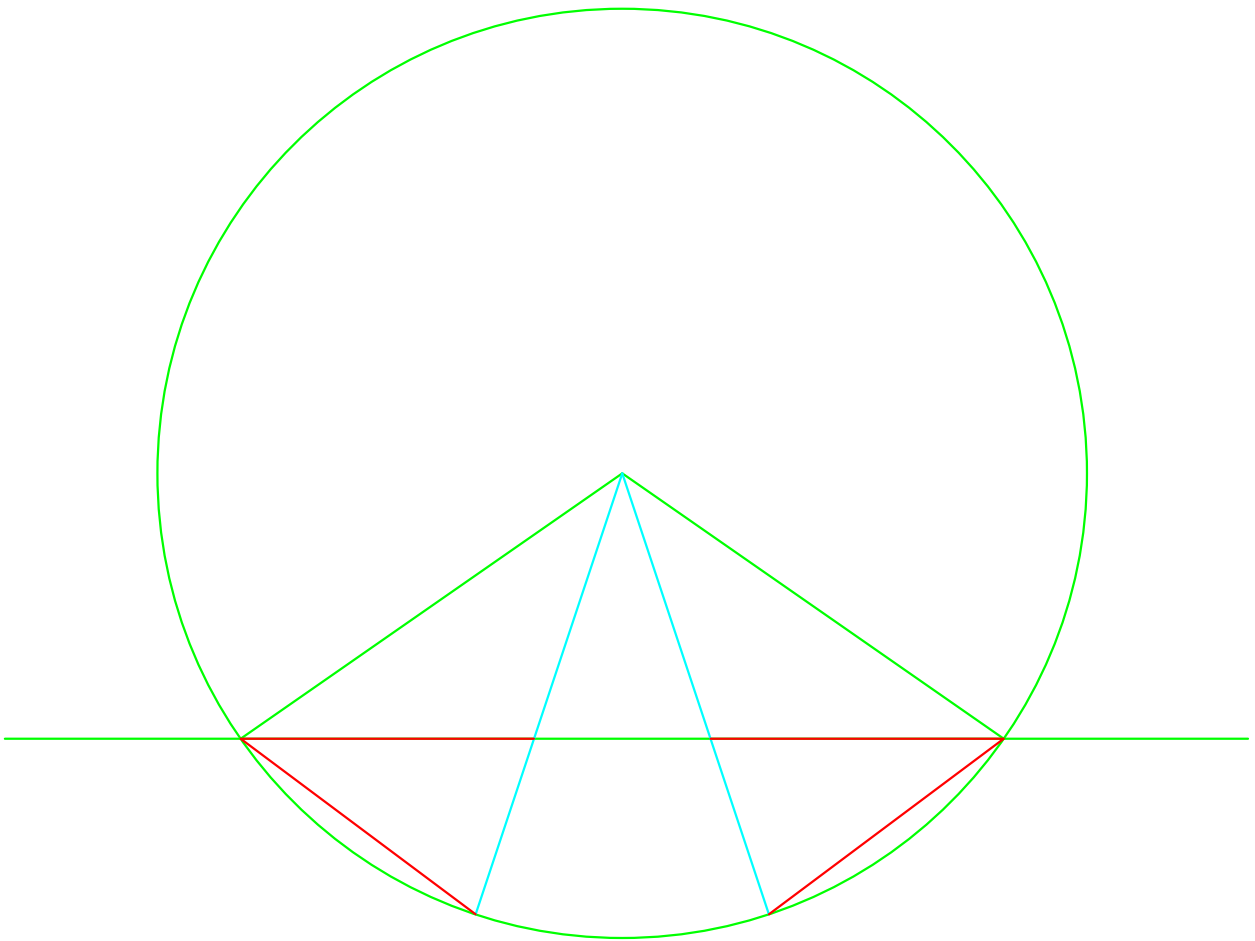
2012/12/05



蛭子井博孝

さまよえば一人
出会えれば二人
楽しめばみんな
去って行く今年
きっといい年だ

ありがとう



(HEX 6 2)

数学日記 愛と理想 第25日

蛭子井博孝編著

1. シムソンの周辺定理

1. どれもみんなのパチクリ ひょうたん

1. どれもみんなの点線円幾何学 115-2

1. Doval 第5定義の周辺定理

1. 今日の俳句

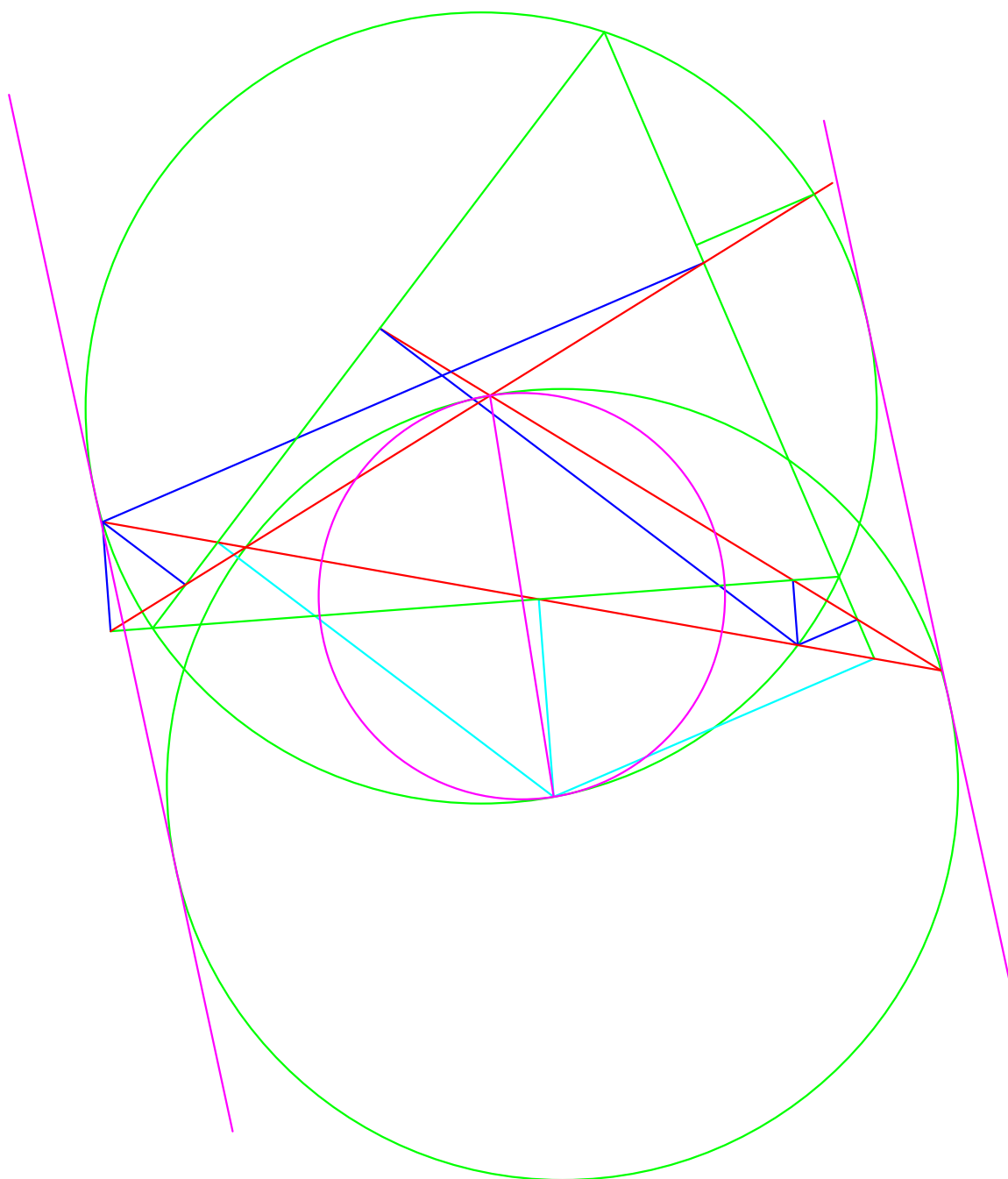
出会う友 君も命は 冬に咲く

1. 基本問題 平行四辺形

1. ひとつ

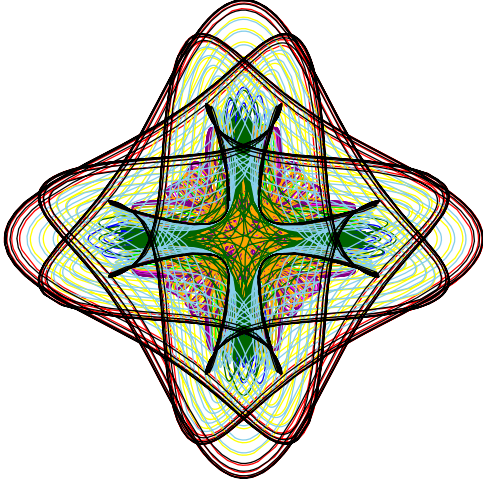
蛭子井のシムソン同直径定理

2012/12/05



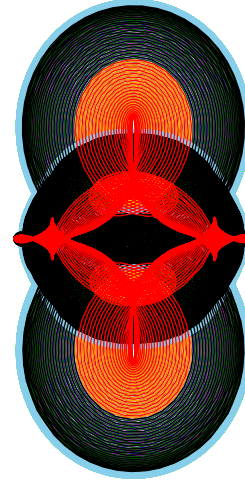
蛭子井博孝

PACHIKURI DATE 1205 師走 by H.E



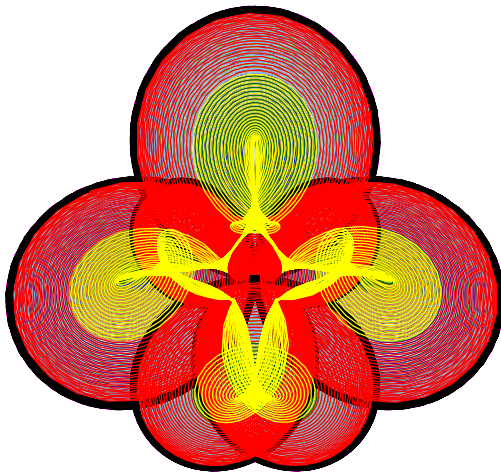
$BGT = "12-05 (03:36:55 PM)", [70], HEB = [7, 5, 2]$
 $X = \sin(241 t)^5 + \sin\left(\frac{1687}{5} t\right) \cos\left(\frac{482}{5} t\right) \sin(\tan(\cos(t)))$
 $Y = \cos(241 t)^5 + \cos\left(\frac{1687}{5} t\right) \cos\left(\frac{482}{5} t\right) \sin(\tan(\cos(t)))$
 $\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$

PACHIKURI DATE 1205 師走 by H.E



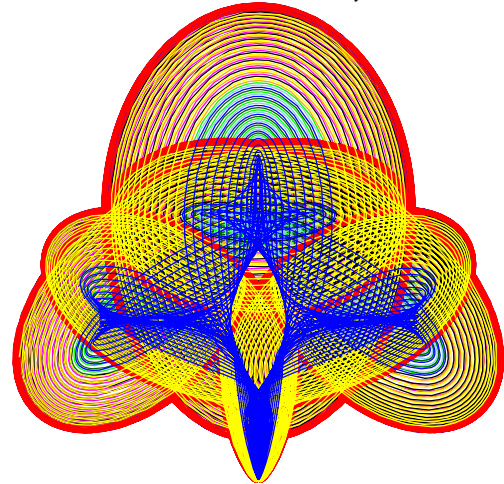
$BGT = "12-05 (03:36:58 PM)", [71], HEB = [8, 1, 1]$
 $X = \sin(241 t)^5 + \sin(1928 t) \cos(241 t) \cos(\tan(\cos(t)))$
 $Y = \cos(241 t)^5 + \cos(1928 t) \cos(241 t) \cos(\tan(\cos(t)))$
 $\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$

PACHIKURI DATE 1205 師走 by H.E



$BGT = "12-05 (03:37:01 PM)", [72], HEB = [8, 1, 2]$
 $X = \sin(241 t)^5 + \sin(1928 t) \cos(482 t) \cos(\tan(\cos(t)))$
 $Y = \cos(241 t)^5 + \cos(1928 t) \cos(482 t) \cos(\tan(\cos(t)))$
 $\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$

PACHIKURI DATE 1205 師走 by H.E

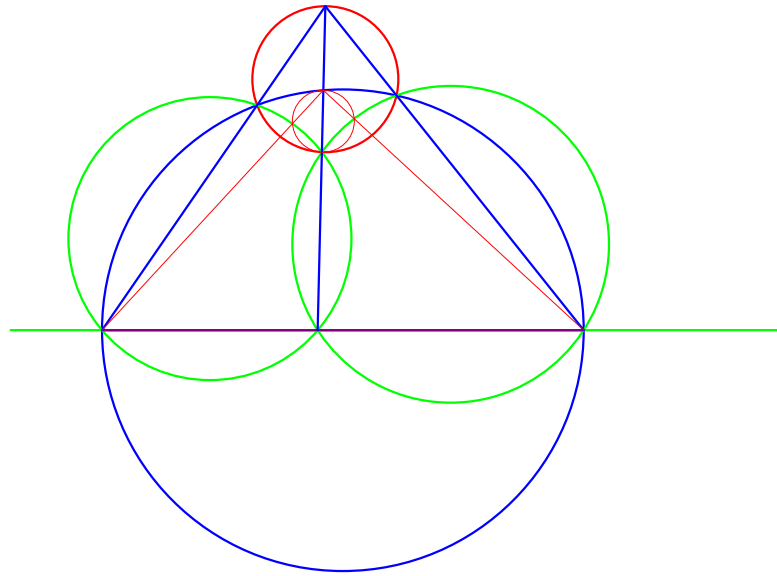


$BGT = "12-05 (03:37:03 PM)", [73], HEB = [8, 2, 1]$
 $X = \sin(241 t)^5 + \sin(964 t) \cos\left(\frac{241}{2} t\right) \cos(\tan(\cos(t)))$
 $Y = \cos(241 t)^5 + \cos(964 t) \cos\left(\frac{241}{2} t\right) \cos(\tan(\cos(t)))$
 $\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$

HI-115-h-2

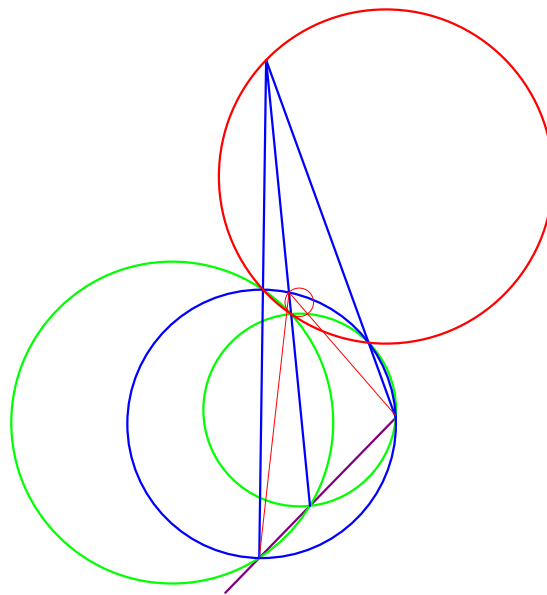
2円と直径円の共点共円定理

2008-2-2

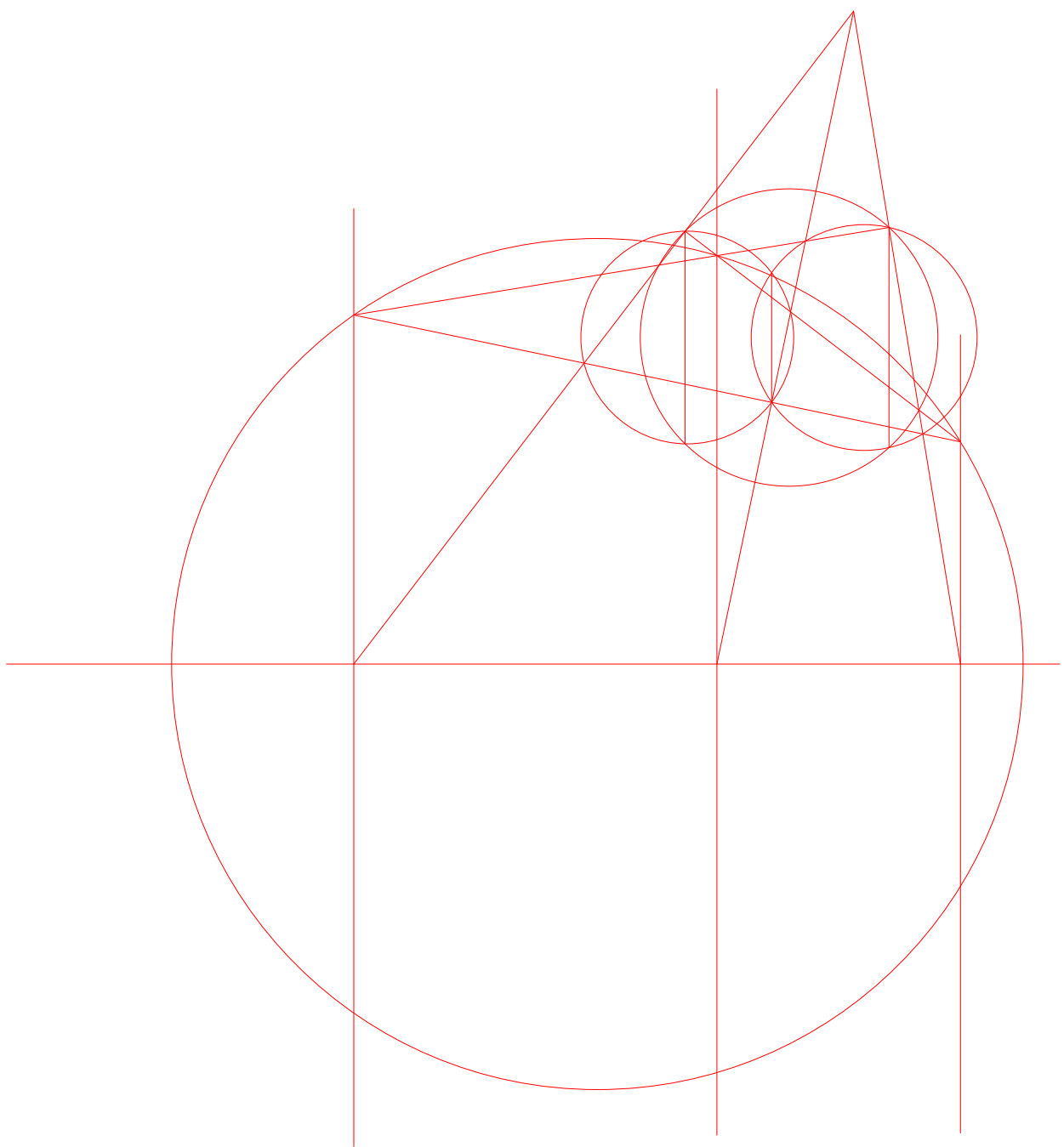


by 蛭子井博孝

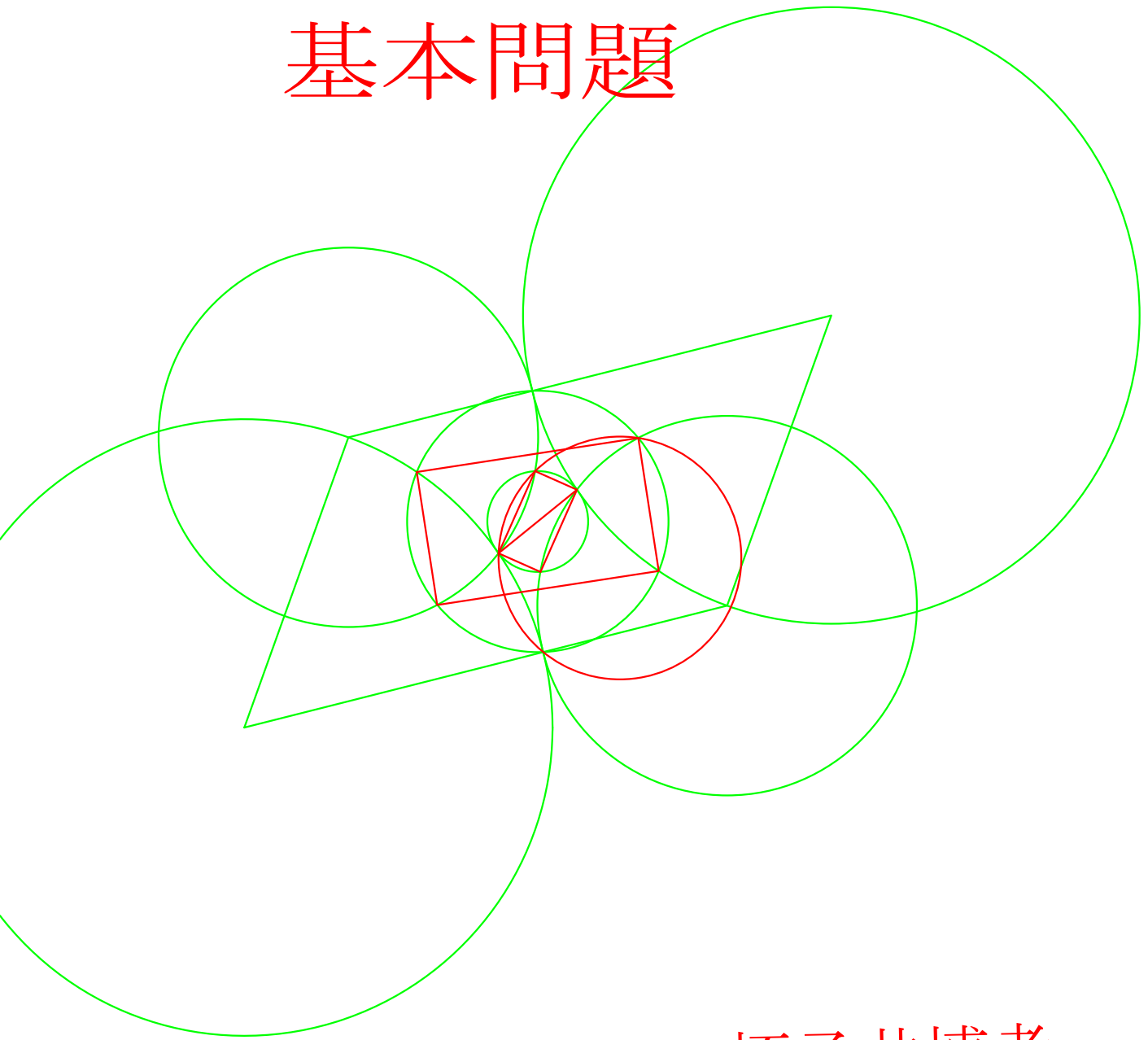
2012-12-5



2008-2-2



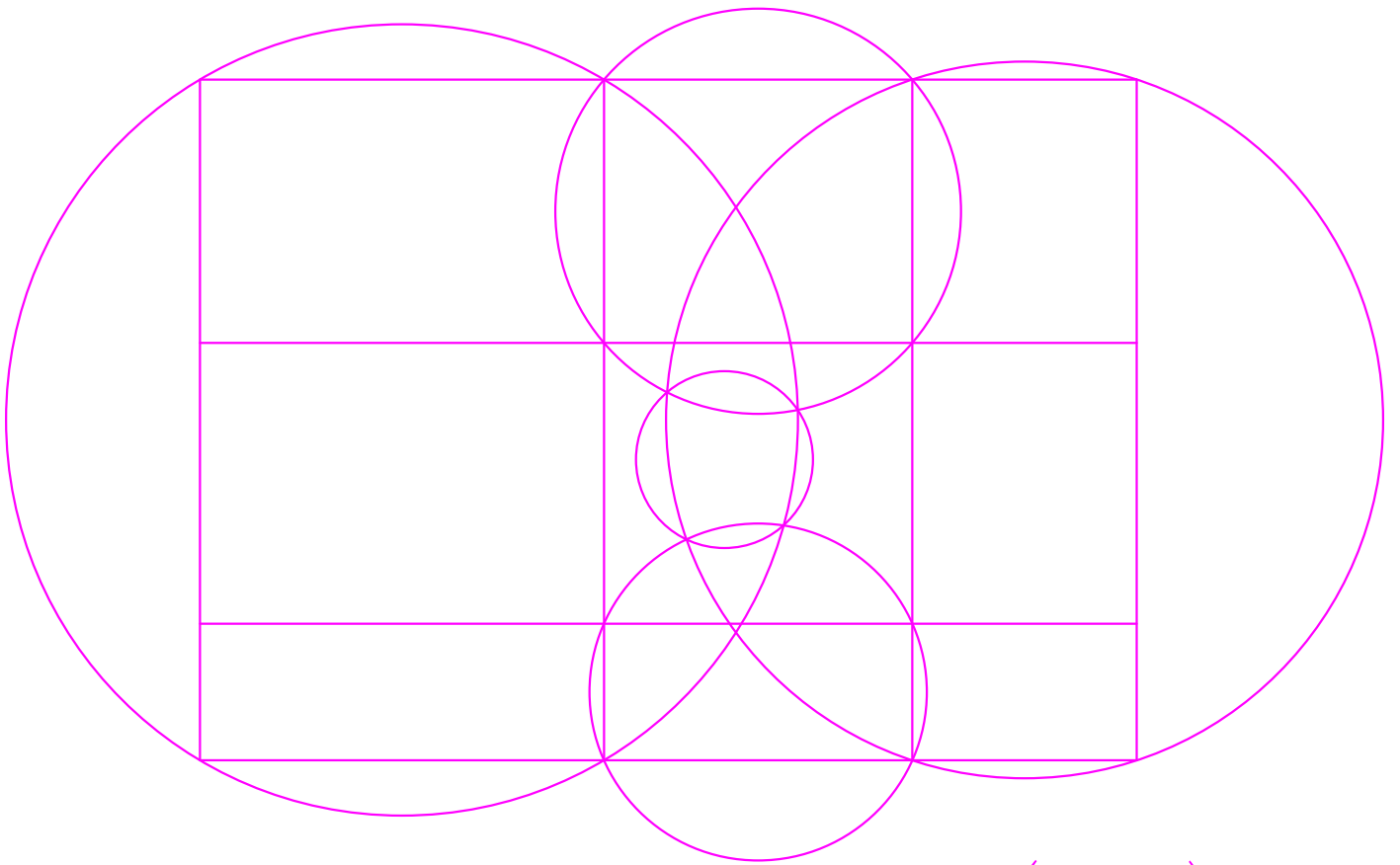
基本問題



蛭子井博孝

ドーナツ一つ
愛一つ
冬一つ
君一つ
円一つ

ありがとう



(HEX62)

数学日記 愛と理想 第26日

蛭子井博孝編著

- 1. 歴史の周辺定理 眠れる定理
- 1. どれもみんなのパチクリ 冬の慕情
- 1. どれもみんなの点線円幾何学 HI-2 1 3 - 2
- 1. 微分方程式の解のグラフ
- 1. Dova の周辺定理 基本垂線定理
- 1. 今日の一句
空港の初日小春日笑みと笑み
初飛行ロビー小春日笑み出会い

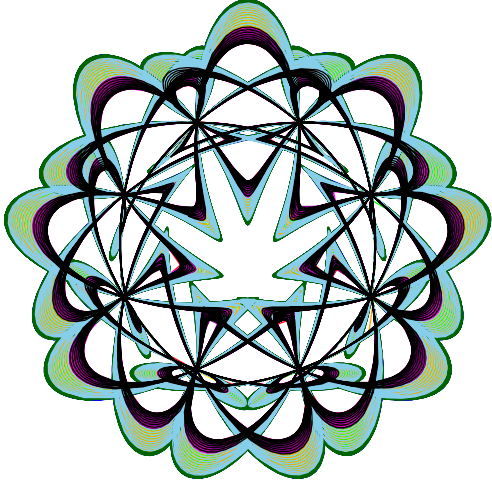
卵形線研究センター

<http://wabi.de-blog.jp/>

眠れる定理

ヘキサゴンモーラーは、
ヘキサゴン4等分の定理に拡張可

PACHIKURI DATE 1213 冬の慕情 by H.E



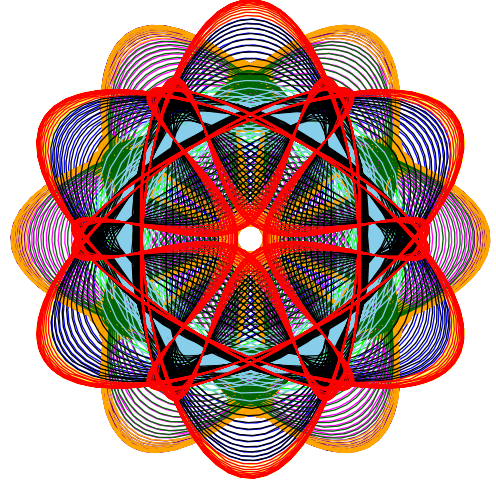
BGT="12-13 (07:40:05 AM)", [60], HEB = [6, 5, 2]

$$X = \sin\left(\frac{1213}{2}t\right) + \sin\left(\frac{6065}{12}t\right) \cos(2426t) \sin(\cos(\cos(t)))$$

$$Y = \cos\left(\frac{1213}{2}t\right) + \cos\left(\frac{6065}{12}t\right) \cos(2426t) \sin(\cos(\cos(t)))$$

$$\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$$

PACHIKURI DATE 1213 冬の慕情 by H.E



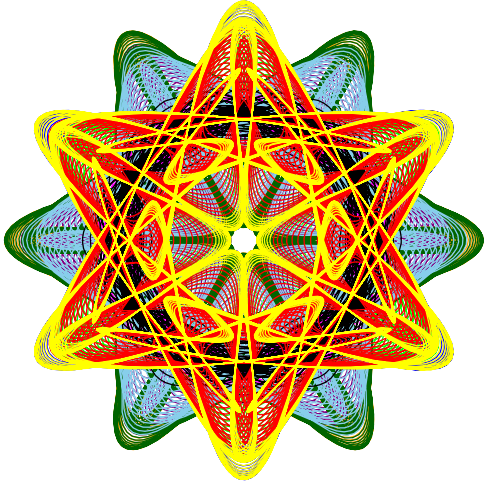
BGT="12-13 (07:40:08 AM)", [61], HEB = [7, 1, 1]

$$X = \sin\left(\frac{8491}{12}t\right) + \sin\left(\frac{1213}{12}t\right) \cos(1213t) \sin(\tan(\sin(\cos(t))))$$

$$Y = \cos\left(\frac{8491}{12}t\right) + \cos\left(\frac{1213}{12}t\right) \cos(1213t) \sin(\tan(\sin(\cos(t))))$$

$$\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$$

PACHIKURI DATE 1213 冬の慕情 by H.E



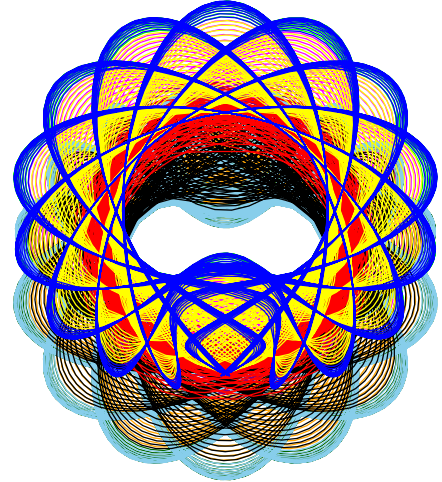
BGT="12-13 (07:40:12 AM)", [62], HEB = [7, 1, 2]

$$X = \sin\left(\frac{8491}{12}t\right) + \sin\left(\frac{1213}{12}t\right) \cos(2426t) \sin(\tan(\sin(\cos(t))))$$

$$Y = \cos\left(\frac{8491}{12}t\right) + \cos\left(\frac{1213}{12}t\right) \cos(2426t) \sin(\tan(\sin(\cos(t))))$$

$$\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$$

PACHIKURI DATE 1213 冬の慕情 by H.E



BGT="12-13 (07:40:15 AM)", [63], HEB = [7, 2, 1]

$$X = \sin\left(\frac{8491}{12}t\right) + \sin\left(\frac{1213}{6}t\right) \cos(1213t) \sin(\tan(\sin(\cos(t))))$$

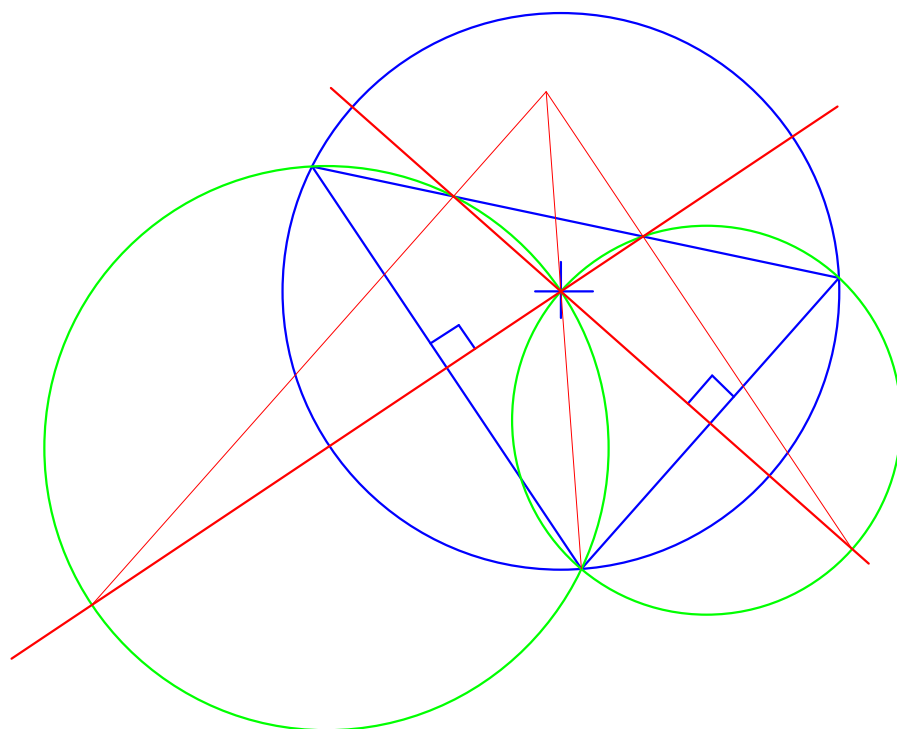
$$Y = \cos\left(\frac{8491}{12}t\right) + \cos\left(\frac{1213}{6}t\right) \cos(1213t) \sin(\tan(\sin(\cos(t))))$$

$$\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}$$

3-6 直交定理

HI-213-2

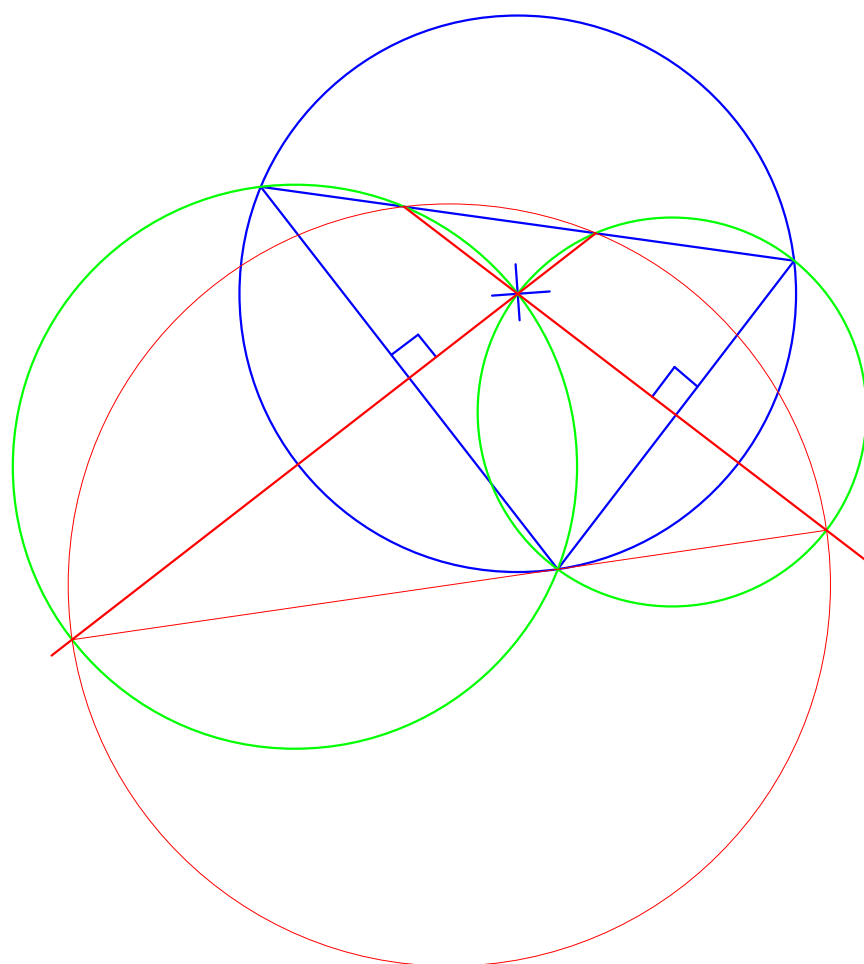
2008-3-6



蛭子井博孝

2012/12/13

2009-2-8



蛭子井博孝

```
> # DIFF function by H.E:
> with(plots) : with(StringTools) : FormatTime ("%Y-%m-%d (%r)");
"2012-12-13 (10:02:21 AM)"
```

```
> DFDD := dsolve(diff(y(x), x) + diff(diff(y(x), x), x) = y(x));
DFDD := y(x) = _C1 e1/2 (sqrt(5) - 1)x + _C2 e-1/2 (sqrt(5) + 1)x
```

```
> DDG := plot(e1/2 (sqrt(5) - 1)x + e-1/2 (sqrt(5) + 1)x, x=0..2*Pi, color = green);
DDG := PLOT(...)
```

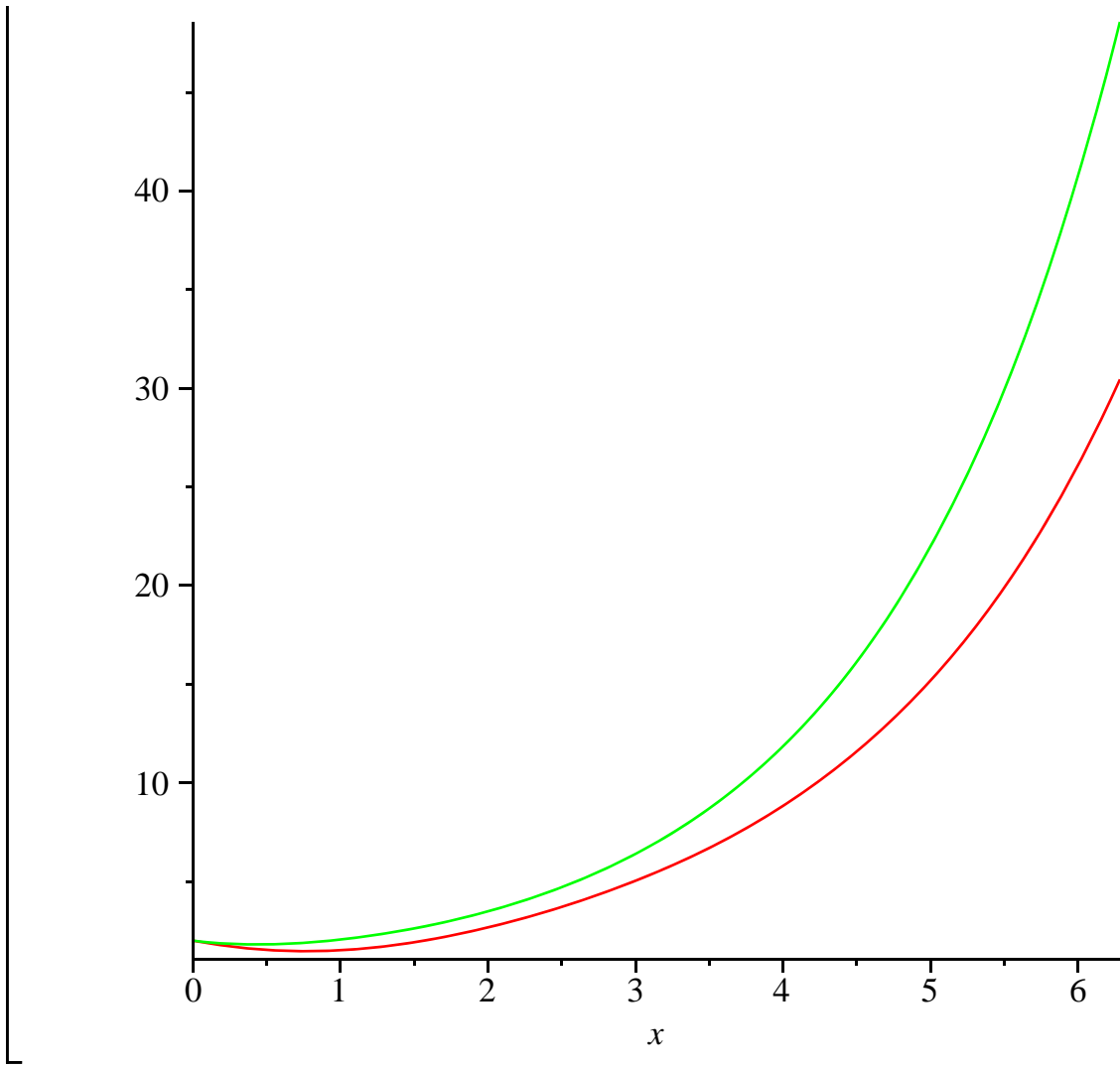
```
> DFDDFDDD := dsolve(diff(y(x), x) + diff(diff(y(x), x), x) + diff(diff(diff(y(x), x), x), x), x) = y(x));
DFDDFDDD := y(x) = _C1 e1/3 ((17 + 3*sqrt(33))2/3 - 2 - (17 + 3*sqrt(33))1/3)x / (17 + 3*sqrt(33))1/3
```

$$- _C2 e^{-\frac{1}{6} \frac{((17 + 3\sqrt{33})^{2/3} - 2 + 2(17 + 3\sqrt{33})^{1/3})x}{(17 + 3\sqrt{33})^{1/3}}} \sin\left(\frac{1}{6} \frac{1}{(17 + 3\sqrt{33})^{1/3}} \left(\sqrt{3} (17 + 3\sqrt{33})^{2/3} + 2\sqrt{3}\right) x\right)$$

$$+ _C3 e^{-\frac{1}{6} \frac{((17 + 3\sqrt{33})^{2/3} - 2 + 2(17 + 3\sqrt{33})^{1/3})x}{(17 + 3\sqrt{33})^{1/3}}} \cos\left(\frac{1}{6} \frac{1}{(17 + 3\sqrt{33})^{1/3}} \left(\sqrt{3} (17 + 3\sqrt{33})^{2/3} + 2\sqrt{3}\right) x\right)$$

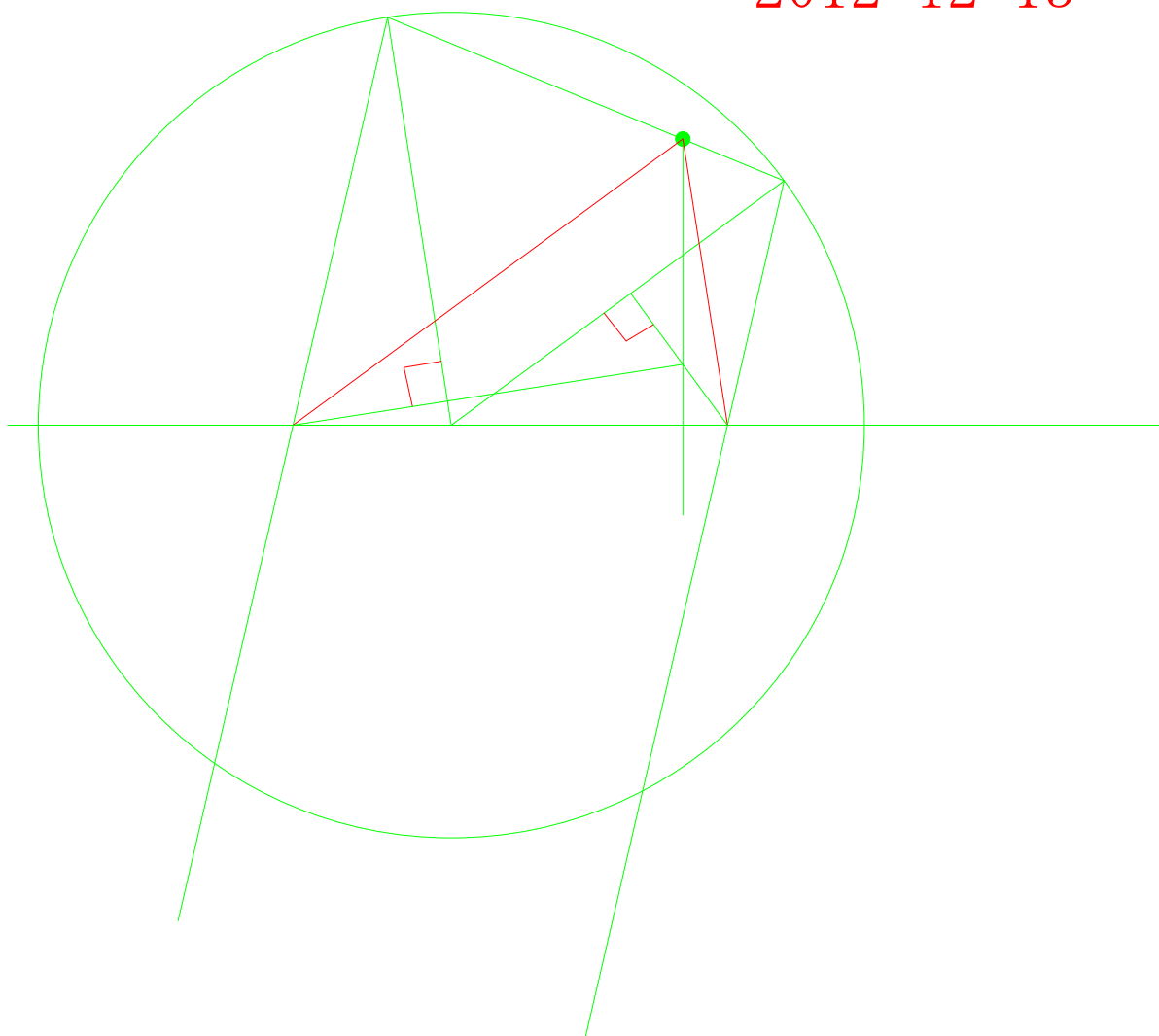
```
> DDDG := plot(e1/3 ((17 + 3*sqrt(33))2/3 - 2 - (17 + 3*sqrt(33))1/3)x / (17 + 3*sqrt(33))1/3 - e-1/6 ((17 + 3*sqrt(33))2/3 - 2 + 2(17 + 3*sqrt(33))1/3)x / (17 + 3*sqrt(33))1/3 sin(1/6 1/(17 + 3*sqrt(33))1/3 ((sqrt(3) (17 + 3*sqrt(33))2/3 + 2*sqrt(3)) x)) + e-1/6 ((17 + 3*sqrt(33))2/3 - 2 + 2(17 + 3*sqrt(33))1/3)x / (17 + 3*sqrt(33))1/3 cos(1/6 1/(17 + 3*sqrt(33))1/3 ((sqrt(3) (17 + 3*sqrt(33))2/3 + 2*sqrt(3)) x)), x=0..2*Pi, color = red);
DDDG := PLOT(...)
```

```
> print(display({DDG, DDDG}));
```



Doval の周辺定理 垂心パップス定理

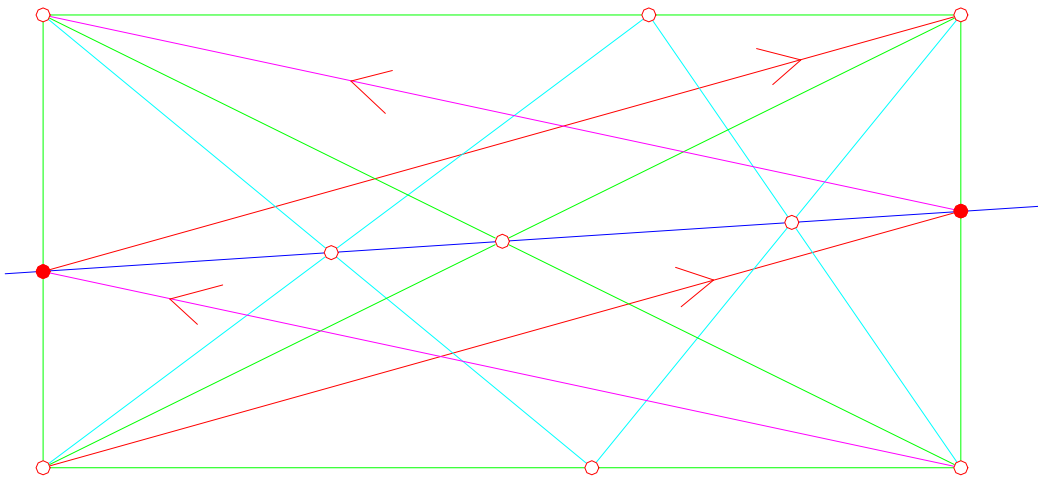
2012-12-13



蛭子井博孝

ありがとう

岩国錦帯橋空港開港記念

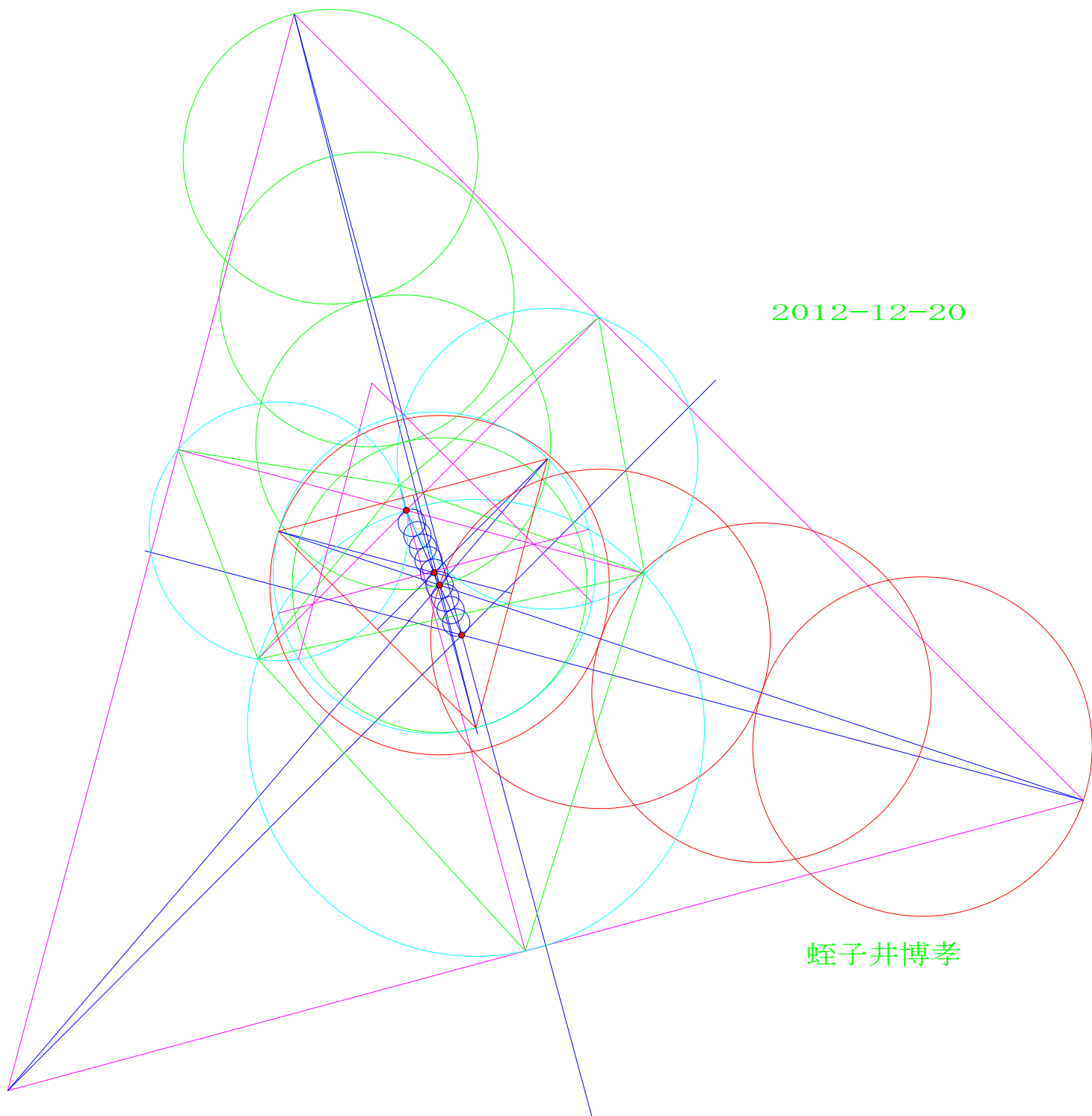


KRPP

(HEX62)

EN3T60T1T4a1T5

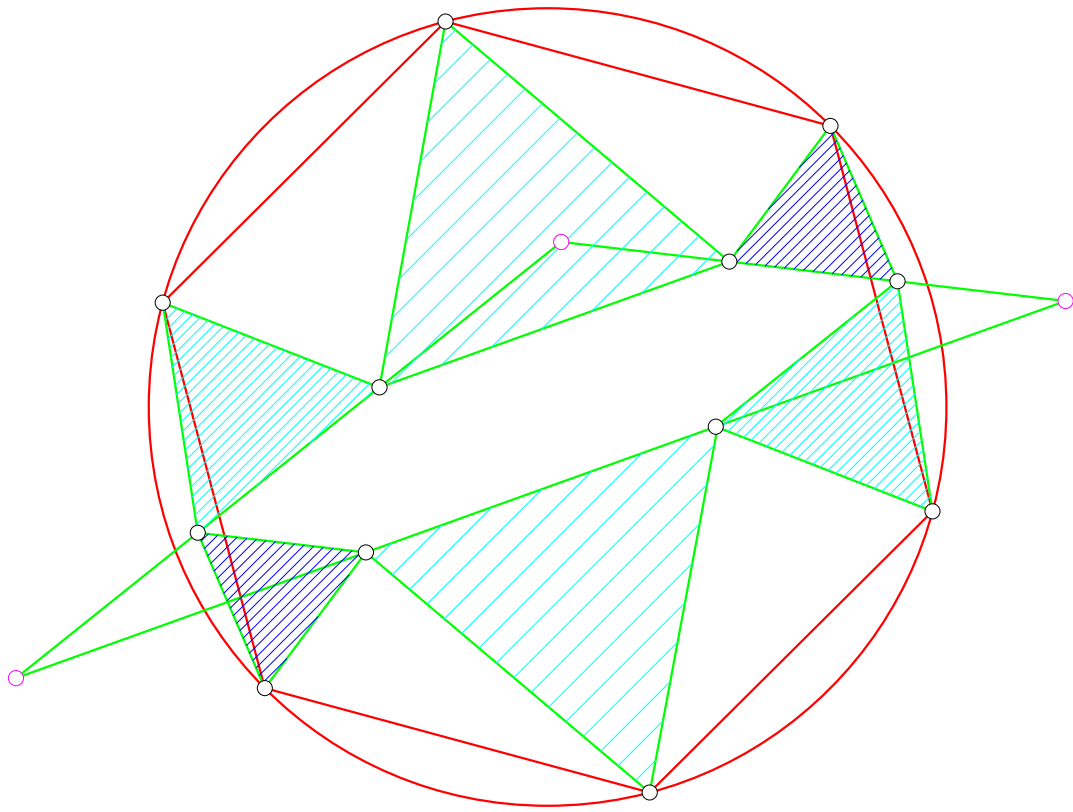
2012-12-20



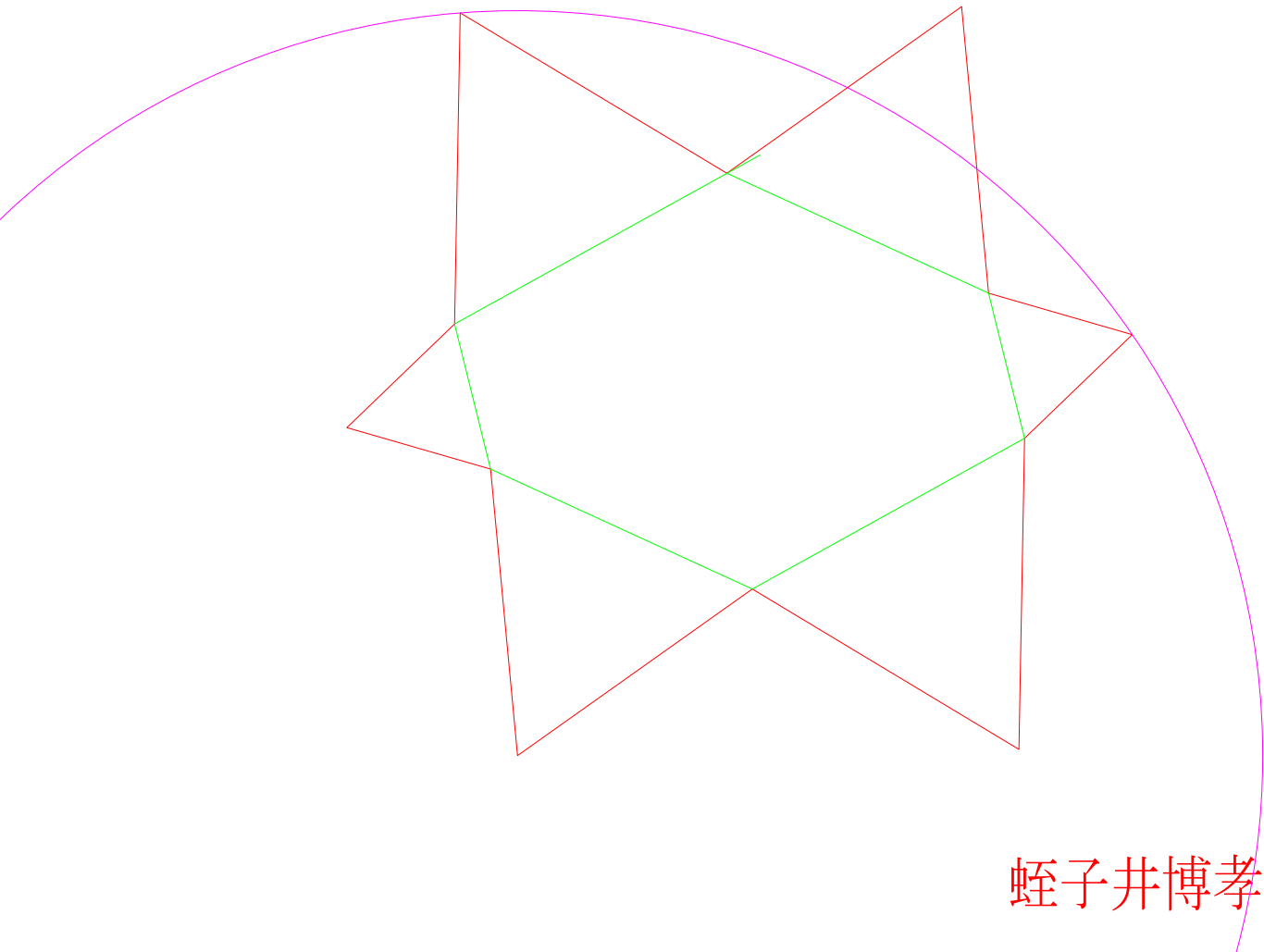
蛭子井博孝

ありがとう数学の女神さん男神さん

努力を馬鹿にしないでね



辺三等分正三角形が作る正6角形(regular Hexagon)の定理



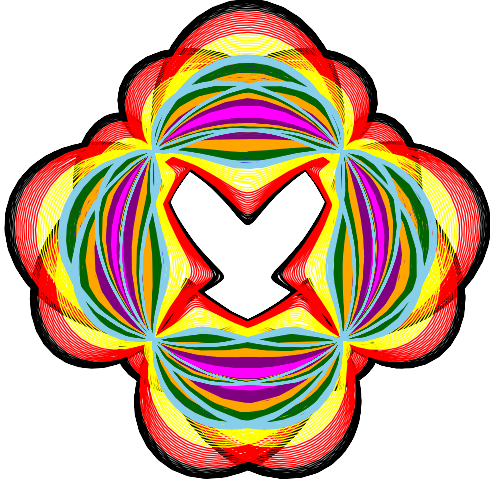
正三角形で遊ぶ

2012-12-20



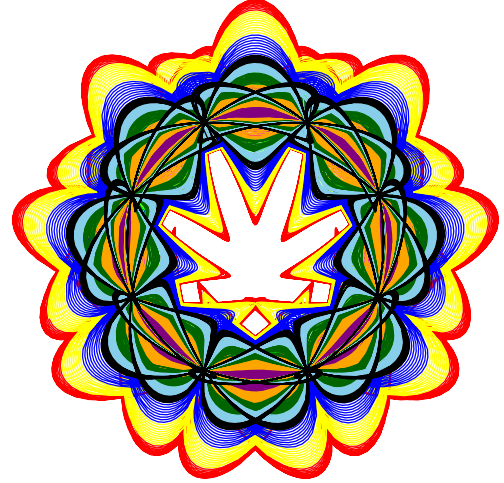
蛭子井博孝

PACHIKURI DATE 1215 雲海の慕情 by H.E



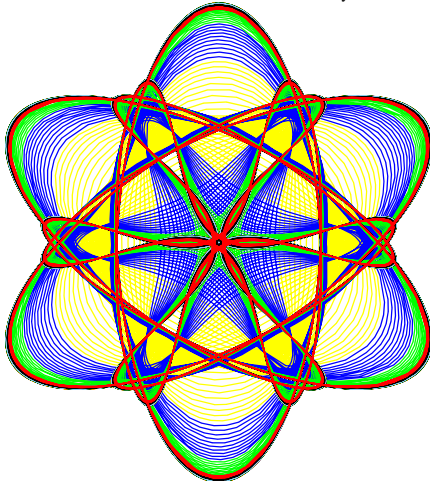
$$\begin{aligned}
 &BGT = "12-16 (02:23:06 AM)", [59], HEB = [6, 5, 1] \\
 X &= \sin\left(\frac{1215}{2}t\right) + \sin\left(\frac{2025}{4}t\right) \cos(1215t) \sin\left(\cos\left(\frac{3t}{3+t}\right)\right) \\
 Y &= \cos\left(\frac{1215}{2}t\right) + \cos\left(\frac{2025}{4}t\right) \cos(1215t) \sin\left(\cos\left(\frac{3t}{3+t}\right)\right) \\
 &\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}
 \end{aligned}$$

PACHIKURI DATE 1215 雲海の慕情 by H.E



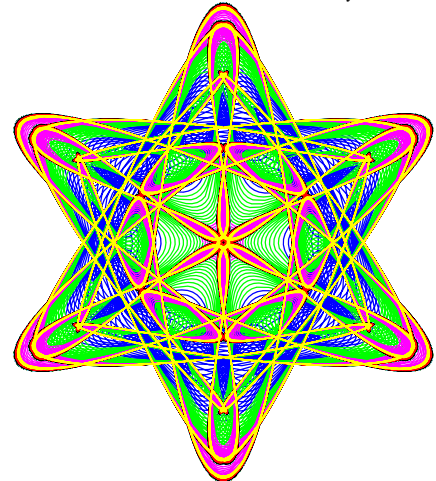
$$\begin{aligned}
 &BGT = "12-16 (02:23:09 AM)", [60], HEB = [6, 5, 2] \\
 X &= \sin\left(\frac{1215}{2}t\right) + \sin\left(\frac{2025}{4}t\right) \cos(2430t) \sin\left(\cos\left(\frac{3t}{3+t}\right)\right) \\
 Y &= \cos\left(\frac{1215}{2}t\right) + \cos\left(\frac{2025}{4}t\right) \cos(2430t) \sin\left(\cos\left(\frac{3t}{3+t}\right)\right) \\
 &\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}
 \end{aligned}$$

PACHIKURI DATE 1215 雲海の慕情 by H.E



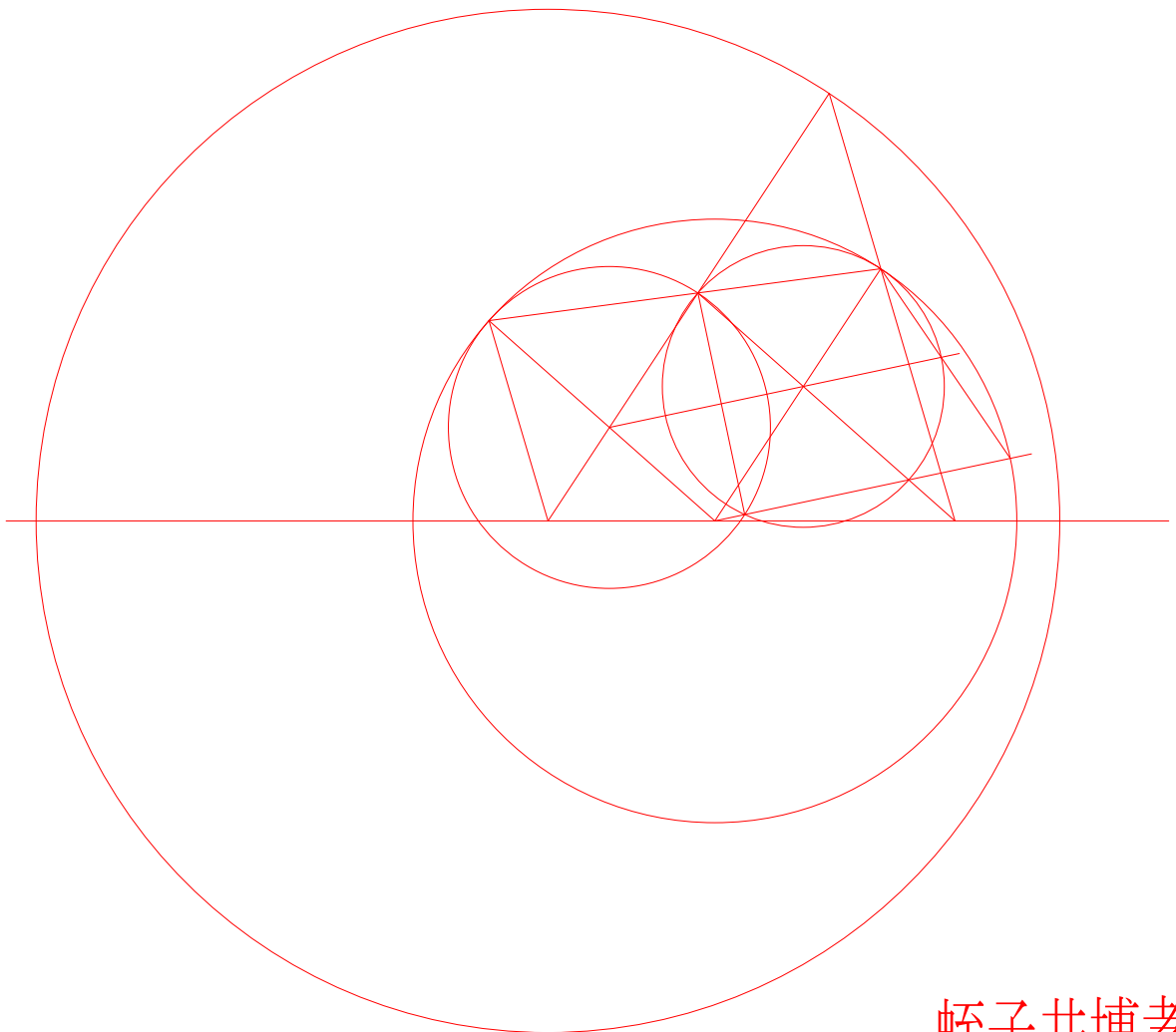
$$\begin{aligned}
 &BGT = "12-16 (02:23:12 AM)", [61], HEB = [7, 1, 1] \\
 X &= \sin\left(\frac{2835}{4}t\right) + \sin\left(\frac{405}{4}t\right) \cos(1215t) \sin\left(\tan\left(\sin\left(\frac{3t}{3+t}\right)\right)\right) \\
 Y &= \cos\left(\frac{2835}{4}t\right) + \cos\left(\frac{405}{4}t\right) \cos(1215t) \sin\left(\tan\left(\sin\left(\frac{3t}{3+t}\right)\right)\right) \\
 &\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}
 \end{aligned}$$

PACHIKURI DATE 1215 雲海の慕情 by H.E



$$\begin{aligned}
 &BGT = "12-16 (02:23:16 AM)", [62], HEB = [7, 1, 2] \\
 X &= \sin\left(\frac{2835}{4}t\right) + \sin\left(\frac{405}{4}t\right) \cos(2430t) \sin\left(\tan\left(\sin\left(\frac{3t}{3+t}\right)\right)\right) \\
 Y &= \cos\left(\frac{2835}{4}t\right) + \cos\left(\frac{405}{4}t\right) \cos(2430t) \sin\left(\tan\left(\sin\left(\frac{3t}{3+t}\right)\right)\right) \\
 &\left[t=0..2\pi, st=\frac{1}{10}\right], \text{エビスイヒロタカ}
 \end{aligned}$$

Dovalの第一定義の周辺



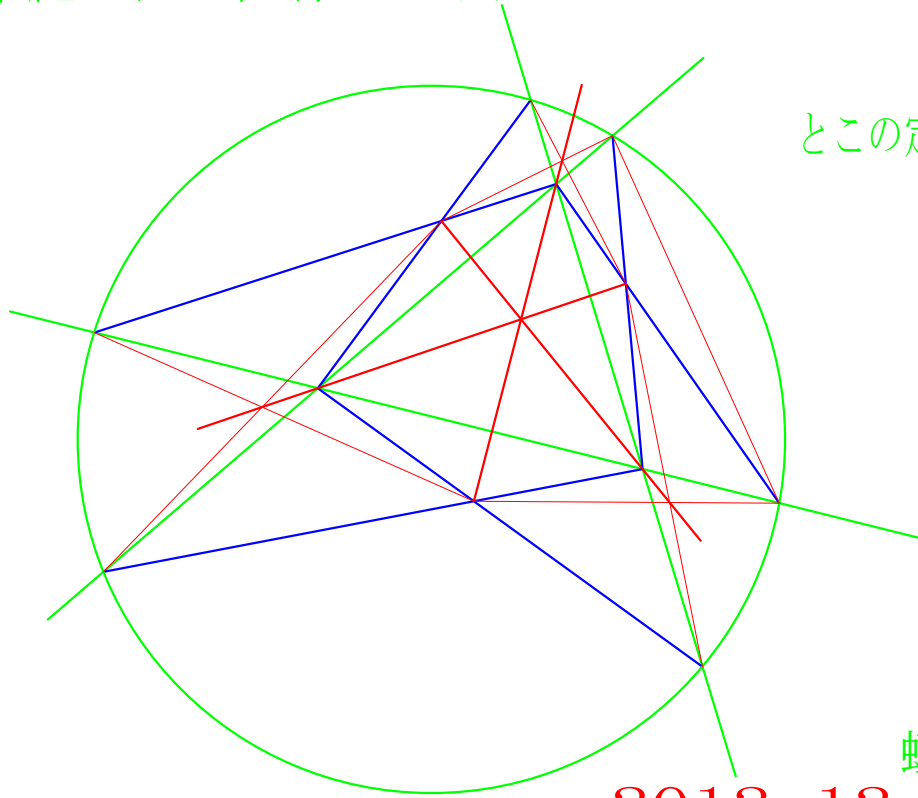
蛭子井博孝

HI-220-2

2008-5-18

華麗な円三直線の共点定理

とこの定理の内部版

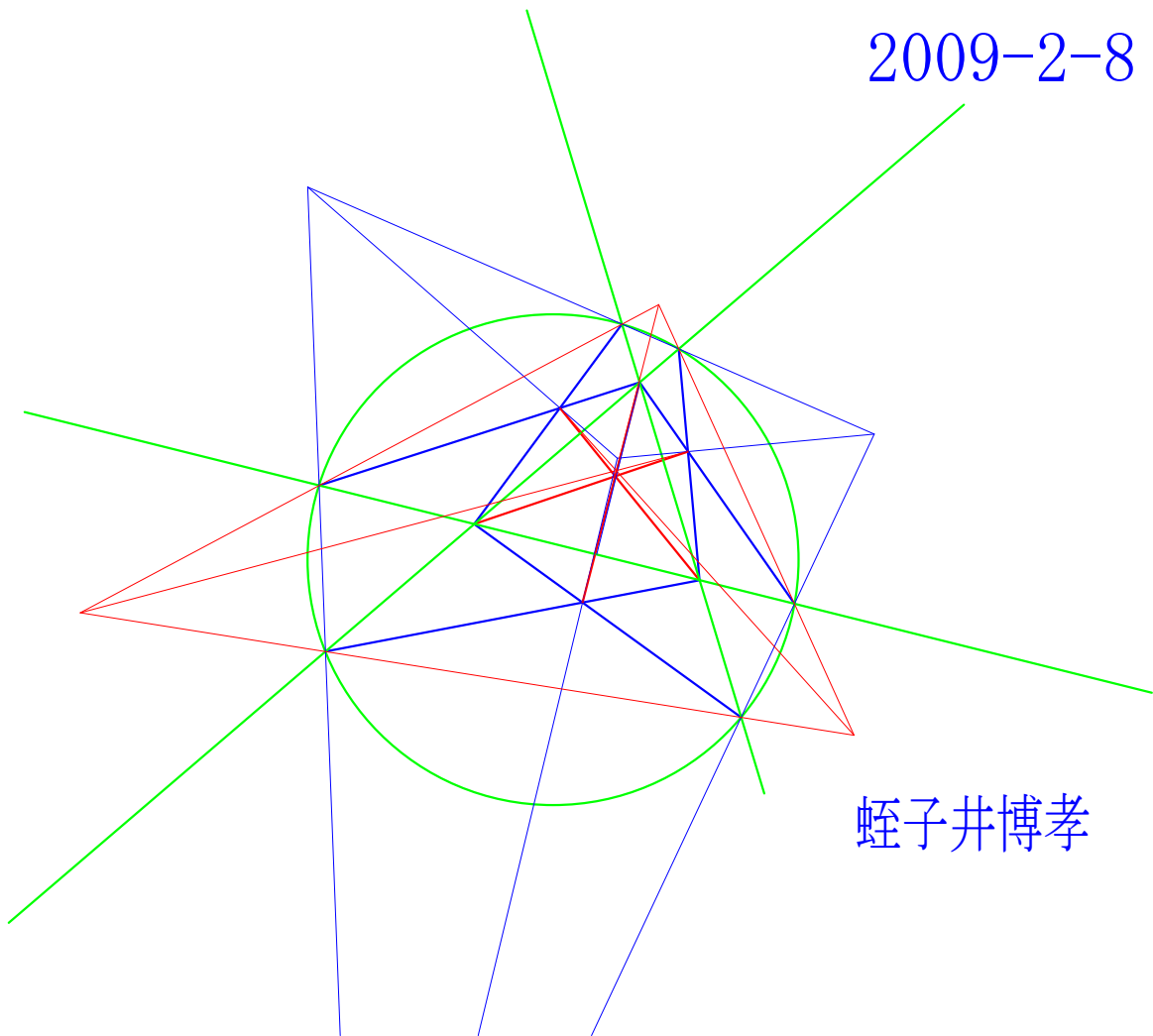


蛭子井博孝

2012-12-20

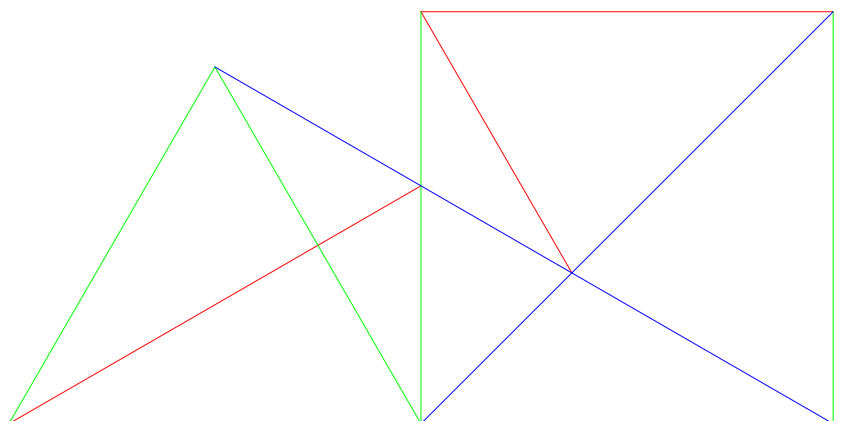
些細な追加、でも、やっと

2009-2-8



蛭子井博孝

ありがとう



(HEX62)

数学日記

geoMathe Diary28th

IDEAL and Passion No.1

by Hirotaka Ebisui and Maria Intagliata

first leaves

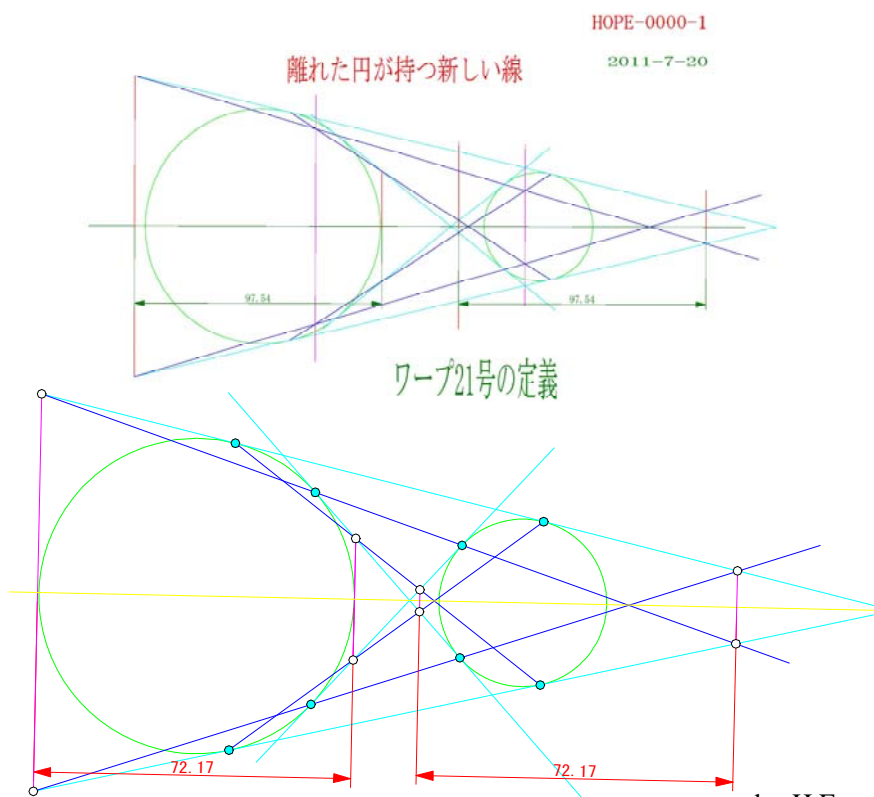


by M.I

We think some things about mathe,
therefore this gMD exists for all.

We enjoy every things in this diary,
and thanks your shareing of this gMD

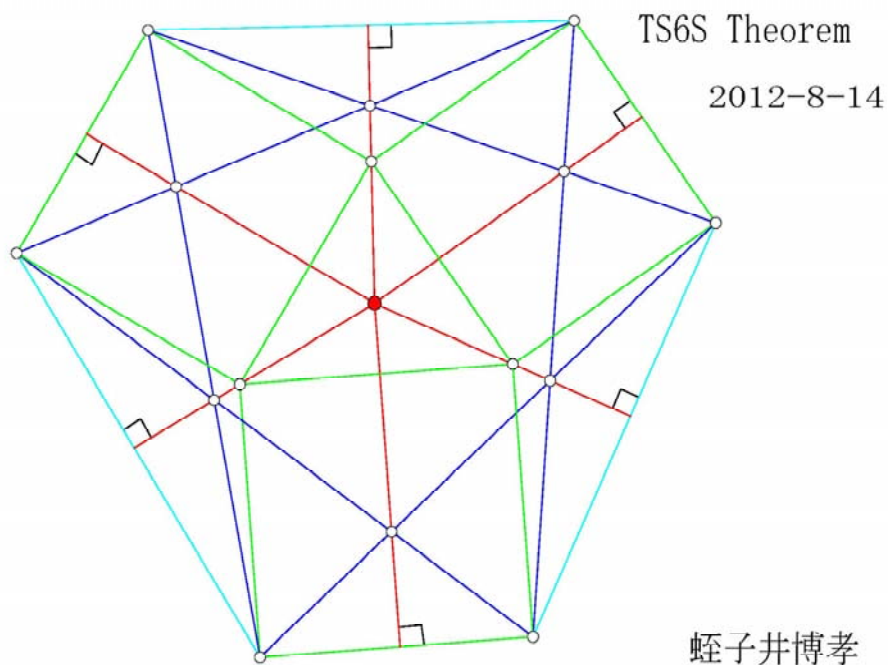
by H.E



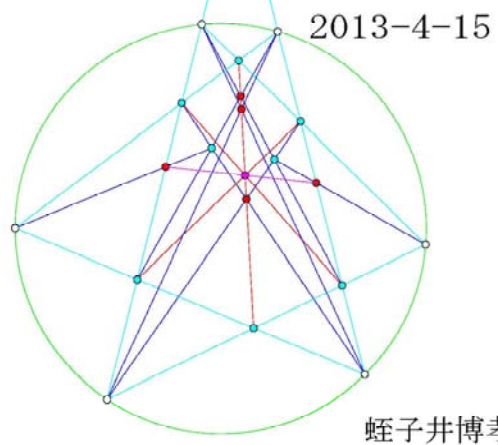
by H.E

卵形線研究センター <http://hoval.blogzine.jp/>

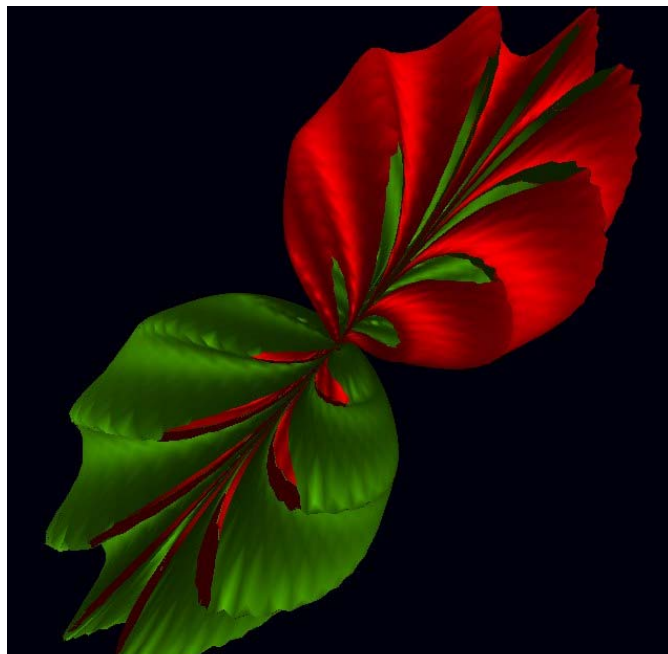
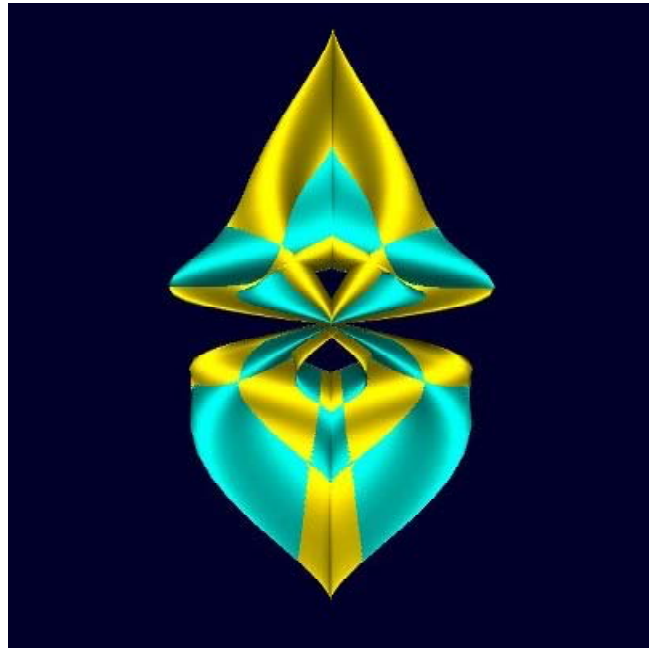
2013-4-20 : rv4-21



PPET
Pappus Pascal Ebisui Theorem



3 D by Maria Intagliata



```

> #MH number Analysis by H.E:
> c := 0 :for h from 1 to 8 do for e from h + 1 to 5 do for m from e + 1 to 13 do if mh+e
= (h + e)m then c := c + 1 : print(E(H+M) = (H + M)E, [H, M, E](c) = [h, m, e]) fi:od:
od:od:
EH+M = (H + M)E, [H(1), M(1), E(1)] = [1, 3, 2]
EH+M = (H + M)E, [H(2), M(2), E(2)] = [1, 4, 3]
EH+M = (H + M)E, [H(3), M(3), E(3)] = [1, 5, 4]
EH+M = (H + M)E, [H(4), M(4), E(4)] = [1, 6, 5]
EH+M = (H + M)E, [H(5), M(5), E(5)] = [2, 5, 3]
EH+M = (H + M)E, [H(6), M(6), E(6)] = [2, 6, 4]
EH+M = (H + M)E, [H(7), M(7), E(7)] = [2, 7, 5]
EH+M = (H + M)E, [H(8), M(8), E(8)] = [3, 7, 4]
EH+M = (H + M)E, [H(9), M(9), E(9)] = [3, 8, 5]
EH+M = (H + M)E, [H(10), M(10), E(10)] = [4, 9, 5] (1)
> c := 0 :for h from 1 to 8 do for e from h + 1 to 5 do for m from e + 1 to 13 do if he + em
+ mh = eh + me + hm then c := c + 1 : print(HE + EM + MH = EH + ME + HM, [H, M,
E](c) = [h, e, m, ]) fi:od:od:od:
HE + EM + MH = EH + ME + HM, [H(1), M(1), E(1)] = [1, 2, 3] (2)
> c := 0 :for h from 2 to 100 do for e from h + 1 to 100 do for m from e + 1 to 100 do if mh
- he then c := c + 1 : print(MH - HE, [H, M, E](c) = [h, m, e]) fi:od:od:od:
MH - HE, [H, M, E(1)] = [2, 8, 6]
MH = HE, [H, M, E(2)] = [2, 16, 8]
MH = HE, [H, M, E(3)] = [2, 32, 10]
MH = HE, [H, M, E(4)] = [2, 64, 12]
MH = HE, [H, M, E(5)] = [3, 9, 6]
MH - HE, [H, M, E(6)] = [3, 27, 9]
MH = HE, [H, M, E(7)] = [3, 81, 12]
MH = HE, [H, M, E(8)] = [4, 8, 6]
MH = HE, [H, M, E(9)] = [4, 16, 8]
MH = HE, [H, M, E(10)] = [4, 32, 10]
MH = HE, [H, M, E(11)] = [4, 64, 12]
MH = HE, [H, M, E(12)] = [5, 25, 10]
MH = HE, [H, M, E(13)] = [6, 36, 12]
MH = HE, [H, M, E(14)] = [7, 49, 14]
MH = HE, [H, M, E(15)] = [8, 64, 16]
MH = HE, [H, M, E(16)] = [9, 81, 18]
MH = HE, [H, M, E(17)] = [10, 100, 20]
MH = HE, [H, M, E(18)] = [16, 32, 20]
MH = HE, [H, M, E(19)] = [16, 64, 24]

```

$$M^H = H^E, [H, M, E(20)] = [27, 81, 36]$$

> 81²⁷; 27³⁶;

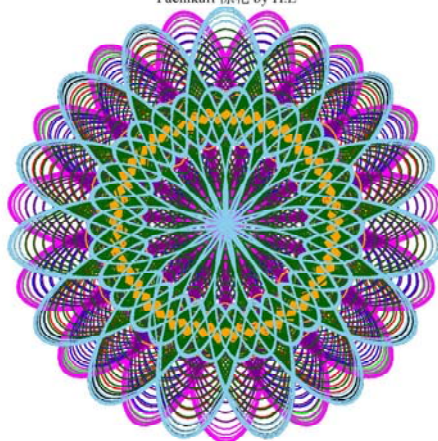
3381391913522726342930221472392241170198527451848561

3381391913522726342930221472392241170198527451848561

by Hirota

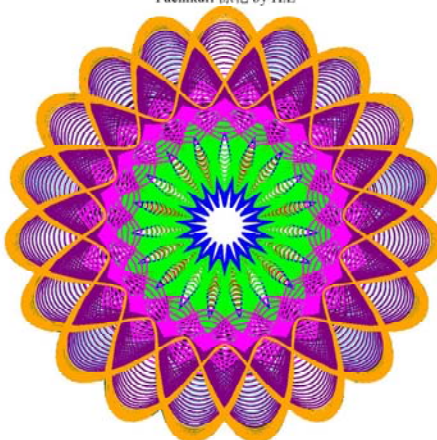
2 D by Hirotaka Ebisui

Pachikuri 涼花 by H.E



$$\begin{aligned}
 &BGT = "10-08 (04:23:53 PM)", No = [196], HEB = [7, 5, 2, 15] \\
 &X = \sin(427 t) + \cos(915 t) \sin(427 t) \cos(1830 t) \sin(\tan(\cos(t))) \\
 &Y = \cos(427 t) + \cos(915 t) \sin(427 t) \cos(1830 t) \sin(\tan(\cos(t))) \\
 &\left[t = 0 \dots 2\pi, st = \frac{1}{10} \right] \text{ 蛭子井博孝}
 \end{aligned}$$

Pachikuri 涼花 by H.E



$$\begin{aligned}
 &BGT = "10-08 (04:20:07 PM)", No = [90], HEB = [6, 5, 1, 19] \\
 &X = \sin(366 t) + \cos(1159 t)^2 \sin(366 t) \sin(\cos(t)) \\
 &Y = \cos(366 t) + \cos(1159 t)^2 \cos(366 t) \sin(\cos(t)) \\
 &\left[t = 0 \dots 2\pi, st = \frac{1}{10} \right] \text{ 蛭子井博孝}
 \end{aligned}$$



La Matematica e l' Intelletto

La Matematica chiese all' Intelletto:

"Chi sono io al tuo cospetto?"

Rispose il Padre del Pensiero,

come al solito, sincero:

"Per la tua condotta sempre retta
delle mie figlie sei la prediletta".

"E tu" - ribatté lei con emozione-

"della mia vita l'unica Ragione".

(Maria Intagliata)

IN ENGLISH..

Mathematics and the 'Intellect

Mathematics asked to 'Intellect:

"Who am I in your sight?"

Said the Father of Thought

as usual, sincere:

"For your conduct always straight

are the favorite of my daughters. "

"And you" - she said with emotion-

"in my life the only reason."

What is Mathematics? What is Geometry?

Mathematics is thought. Geometry is existence.

Mathematics is think. Geometry is look.

We can study about Mathe ,Geo
and We enjoy Both. So We are happy.

Time and Space in the future will be

Number and Figure.

We hope that we are we,

and we are love, ideal, passion for Mathe and Geo.

3.1415.... 2.71828.... I'I,0, and 1.x.∞

circle .ellipse.oval.lief.+ , X , > , < ,

Thank you for all

(Hirotaka Ebisui)

第2章 卵形線の定義

【作図定理4】. 任意の2つの円 O_1 , O_2 が補助円として与えられたとき, この卵形線を描くこと。

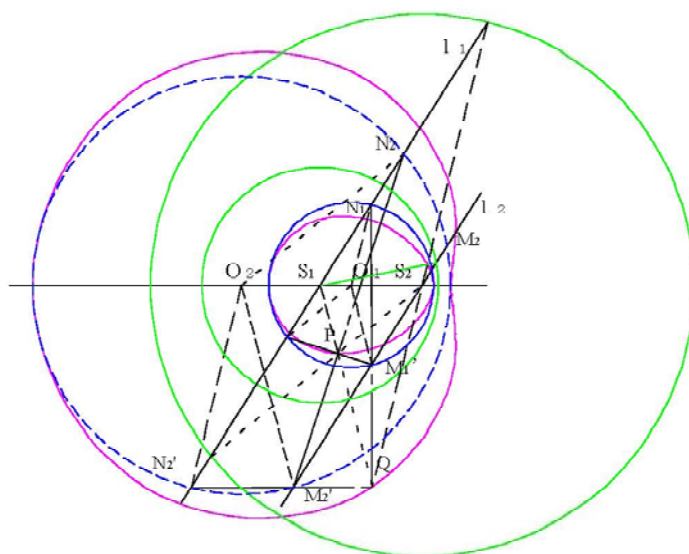
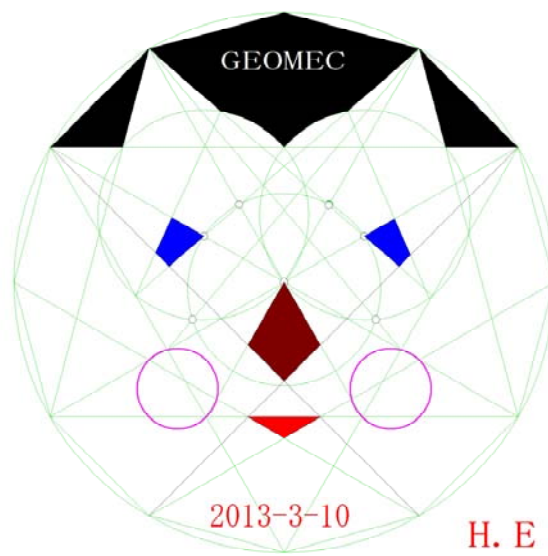


図5 作図定理4による卵形線の構図

図5において, 円 O_1 , 円 O_2 ($O_1 \neq O_2$) が与えられている。2つの円の相似中心 S_1 , S_2 を求め, S_1 , S_2 を通り, 互いに平行な直線 l_1 , l_2 を引く。 l_1 と円 O_1 , O_2 が交わる点をそれぞれ N_1 , N_1' , N_2 , N_2' とし, 同様に M_1 , M_1' , M_2 , M_2' をとる。次に直線 $N_1'M_1'$ と直線 N_2M_2' が垂直に交わる点を P ,

同様に直線 N_1M_1' と $N_2'M_2'$ が垂直に交わる点を Q とする。
 すると, P , Q は, N_1 あるいは M_1 が円 O_1 上を動くとき, 卵形線を描く。
 同様の作図で, 直交する点は, もう一対 P' , Q' がある。

THANK YOU!!



Ciao

Jaa Mata

数学日記

geoMathe Diary29th

IDEAL and Passion No.2

by Hirotaka Ebisui and Maria Intagliata

Aim

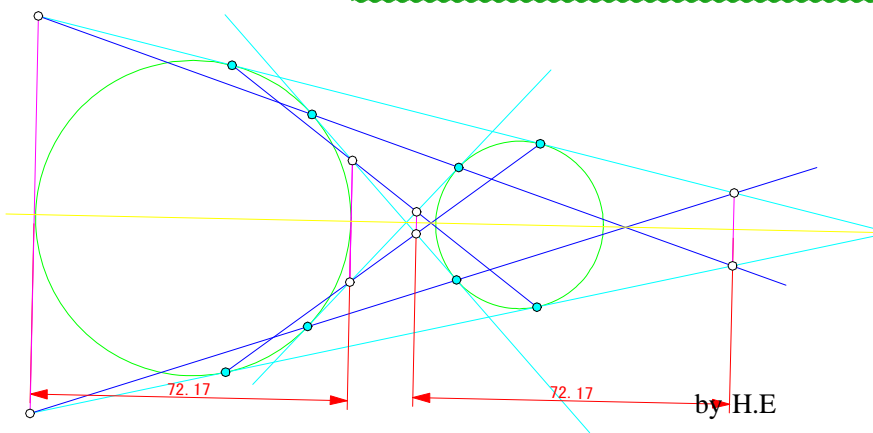


by H.E

contents

1. "Aim"
2. on Napoleon Theorem
3. 3 D by M.I
4. NUM table
5. 2D 3D by H.E
6. " Pc and Creative"
7. Doval
8. Thank you Geomec 13

昨日 4 - 2 0 は誕生日、幸せな日であった。
 いろいろな発見もあった。
 Pris Table is defined by
 $\{(P1,P2,X) \mid p1+p2=X^2 \}$
 $17 + 19 = 6^2$
 4 - 2 1 は スチックメモリが紛失
 いらいらした午前中であった。
 夜、我々は、5日ペースで
 この日記を出すことにした 4-22 記

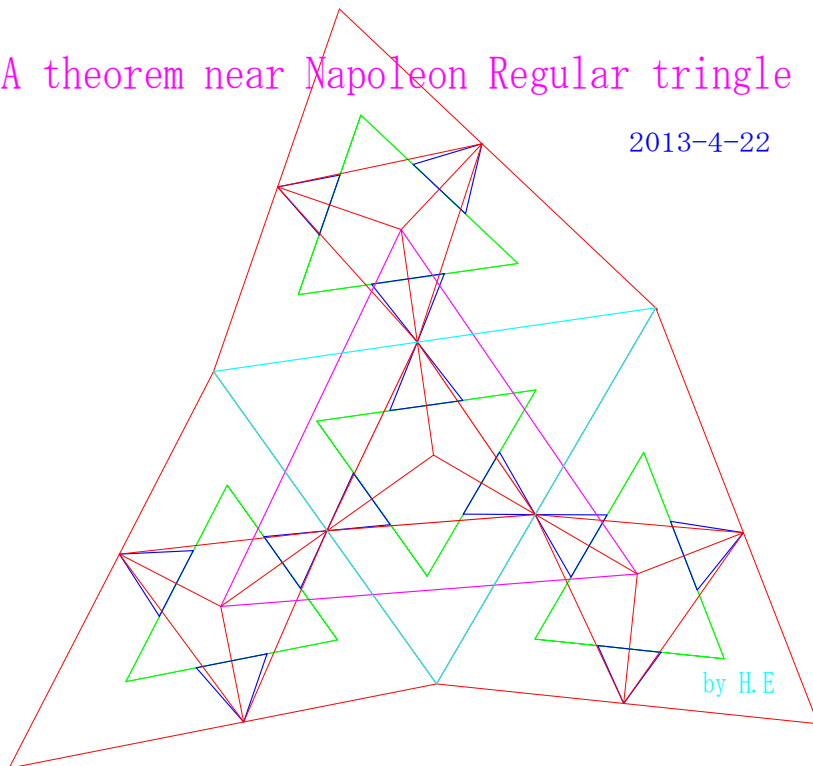


卵形線研究センター <http://hoval.blogzine.jp/> 2013-4-25

2. Some Theorems wandering in Geometry History Land

A theorem near Napoleon Regular triangle

2013-4-22

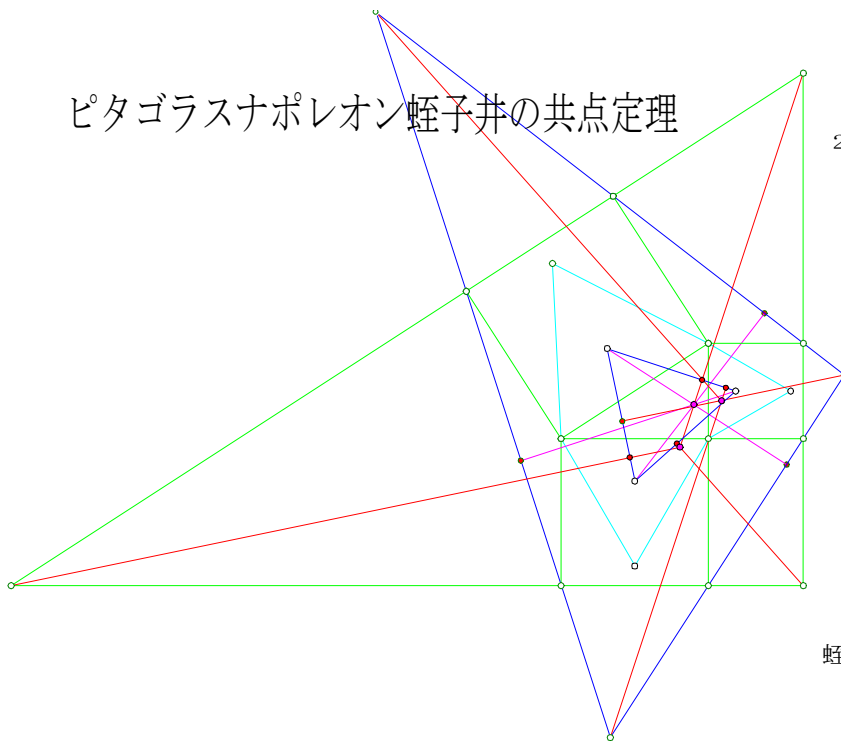


by H. E

Napoleon Regular Triangle is defined by Three points which are given by 1/3-segment-regular triangle-vertex. And Three reflexion Points of Center point in this figure also make Regular triangle.

ピタゴラスナポレオン蛭子井の共点定理

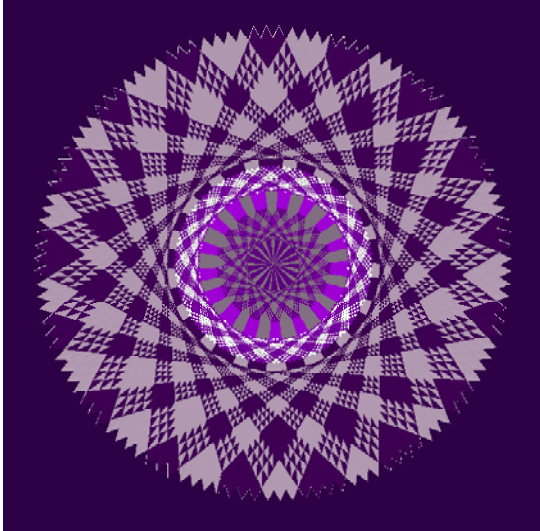
2012-8-13



蛭子井博孝

3. 3 D EQG by Maria Intagliata

Clock Gear 1



Spring1

$$\begin{aligned} X &= 3 * \cos(1016201 * u) * \sin(2 * v) \\ Y &= \sin(1016203 * v) ^3 * \cos(1016221 * v) ^2 \\ Z &= 3 * \sin(1016201 * u) * \sin(2 * v) \end{aligned}$$

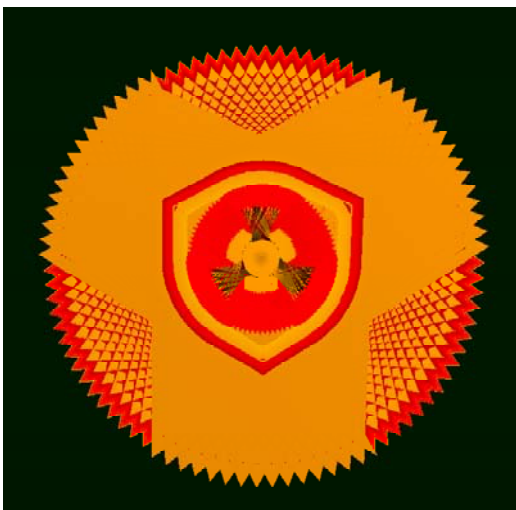
RED Daria



Spring4

$$\begin{aligned} X &= 2 * \cos(439 * u) * \cos(v) \\ Y &= 3 * (\sin(312 * u) ^ \sin(312 * u)) ^ \sin(312 * u) \\ &\quad * \cos(443 * v) * 0.73 * \sin(449 * u) \\ Z &= 2 * \cos(439 * u) * \sin(v) \end{aligned}$$

Clock Gear 2



Spring3

$$\begin{aligned} X &= 6 * \cos(1016201 * u) * \sin(\cos(2 * v)) \\ Y &= \sin(1016203 * v) ^3 * \cos(1016221 * v) * \sin(v) \\ Z &= 6 * \sin(1016201 * u) * \sin(\cos(2 * v)) \end{aligned}$$

pink Daria



Spring6=Spring4

4. ENJOY NUMBER TABLE

> # *Pris* are defined as $\{(p1, p2, x, n) | p1 + p2 = x^n\}$ by H.E :
 > # We show 25 2jou- 2 *Pris*, 8 3jou-3 *pris* in THIS Table.

Count [*Pris* = [17, 19], 36 = [6]²
 2 Count [*Pris* = [47, 53], 100 = [10]²
 3 Count [*Pris* = [71, 73], 144 = [12]²
 4 Count [*Pris* = [283, 293], 576 = [24]²
 5 Count [*Pris* = [881, 883], 1764 = [42]²
 6 Count [*Pris* = [1151, 1153], 2304 = [48]²
 7 Count [*Pris* = [1913, 1931], 3844 = [62]²
 8 Count [*Pris* = [2591, 2593], 5184 = [72]²
 9 Count [*Pris* = [3527, 3529], 7056 = [84]²
 10 Count [*Pris* = [4049, 4051], 8100 = [90]²
 11 Count [*Pris* = [6047, 6053], 12100 = [110]²
 12 Count [*Pris* = [7193, 7207], 14400 = [120]²
 13 Count [*Pris* = [7433, 7451], 14884 = [122]²
 14 Count [*Pris* = [15137, 15139], 30276 = [174]²
 15 Count [*Pris* = [20807, 20809], 41616 = [204]²
 16 Count [*Pris* = [21617, 21647], 43264 = [208]²
 17 Count [*Pris* = [24197, 24203], 48400 = [220]²
 18 Count [*Pris* = [26903, 26921], 53824 = [232]²
 19 Count [*Pris* = [28793, 28807], 57600 = [240]²
 20 Count [*Pris* = [34847, 34849], 69696 = [264]²
 21 Count [*Pris* = [46817, 46819], 93636 = [306]²
 22 Count [*Pris* = [53129, 53147], 106276 = [326]²
 23 Count [*Pris* = [56443, 56453], 112896 = [336]²
 24 Count [*Pris* = [69191, 69193], 138384 = [372]²
 25 Count [*Pris* = [74489, 74507], 148996 = [386]²

(1)

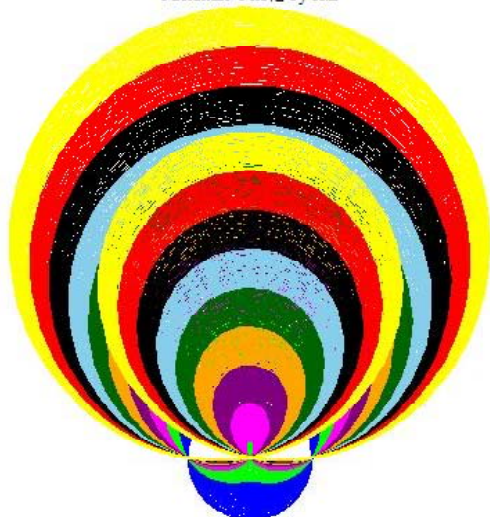
Count 1_{88th prime} [*Pris* = [439, 443, 449], 1331 = [11]³
 Count 2_{3699th prime} [*Pris* = [34603, 34607, 34613], 103823 = [47]³
 Count 3_{79703th prime} [*Pris* = [1016201, 1016203, 1016221], 3048625 = [145]³
 Count 4_{263169th prime} [*Pris* = [3696493, 3696523, 3696551], 11089567 = [223]³
 Count 5_{283356th prime} [*Pris* = [4002991, 4002997, 4003001], 12008989 = [229]³
 Count 6_{434938th prime} [*Pris* = [6344687, 6344729, 6344747], 19034163 = [267]³
 Count 7_{678280th prime} [*Pris* = [10221397, 10221443, 10221457], 30664297 = [313]³
 Count 8_{950267th prime} [*Pris* = [14662309, 14662331, 14662337], 43986977 = [353]³

(2)

5. 2D and 3D EQG by Hirotaka Ebisui

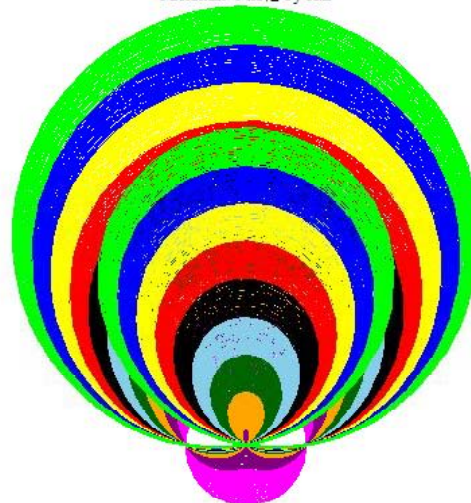
Pris Boloon 1 439

Pachikuri Pris花 by H.E



Pris Boloon 2 443

Pachikuri Pris花 by H.E



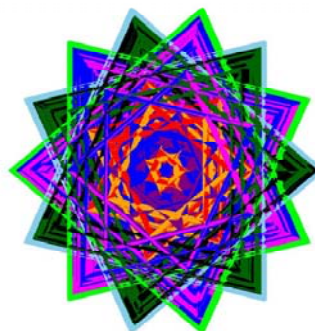
Green Rose Birth Star

Green rose Birth Star
 $X(t) = 4 \cos(101620 u) \sin(2 v)$
 $Y(t) = \sin(10162 v)^3 * \cos(10162 v) * 8$
 $Z(t) = 4 \sin(101620 u) \sin(2 v)$



Orange Rose Birth Star

Birth Star



by offering almost as a game also scientific activities, such as the study of mathematics.

The game has an important role because preforms to creativity in life, although this is not a game. And what better tool of the PC? This, now inseparable playmate, is able to stimulate the imagination, creativity and the ability to develop on their own.

Thanks to the software, which especially the very young quickly learn and use with great mastery, you can develop creativity, without reducing it to only intuition and curiosity, with commitment, motivation and determination.

PC is a very useful tool because it allows simulations, tests and choices, family activities for creativity in many fields: graphic design, photography, 3D modeling, video, animation, sound design, etc..

The same videogames stimulate creativity and the ability to solve questions and problems. Their intentions are manifold: sports, train the mind, fighting. But lately they are also used as a teaching aid, even in some universities, where students of Economics are training with specific games that challenge to make decisions and be creative. Video games, in fact, may also arouse positive emotions that give a boost of energy to unleash the creative power.

PC e creatività In Italian Maria Intagliata

La nostra fantasia ha la libertà estrema di pensare anche l' assurdo o l' impossibile, venendo utilizzata in maniera finalizzata e produttiva dalla creatività.

Questa capacità ha lo scopo di creare, non dal nulla, idee ed oggetti originali e funzionali, attraverso l' elaborazione di informazioni . Secondo questa

definizione anche il computer sarebbe creativo, ma gli manca almeno la materia prima: la fantasia.

La creatività non è una dote innata, ma solo un' abilità mentale che, non potendo essere insegnata, va sviluppata insieme ai mitocondri che si moltiplicano nei neuroni. Essa va esercitata continuamente grazie a stimoli motivazionali ; non va inibita nello studio con un insegnamento ripetitivo e preconfezionato, che ne limiti l' intuizione e la curiosità. Va invece stimolata proponendo quasi come gioco anche attività di tipo scientifico, come lo studio della matematica.

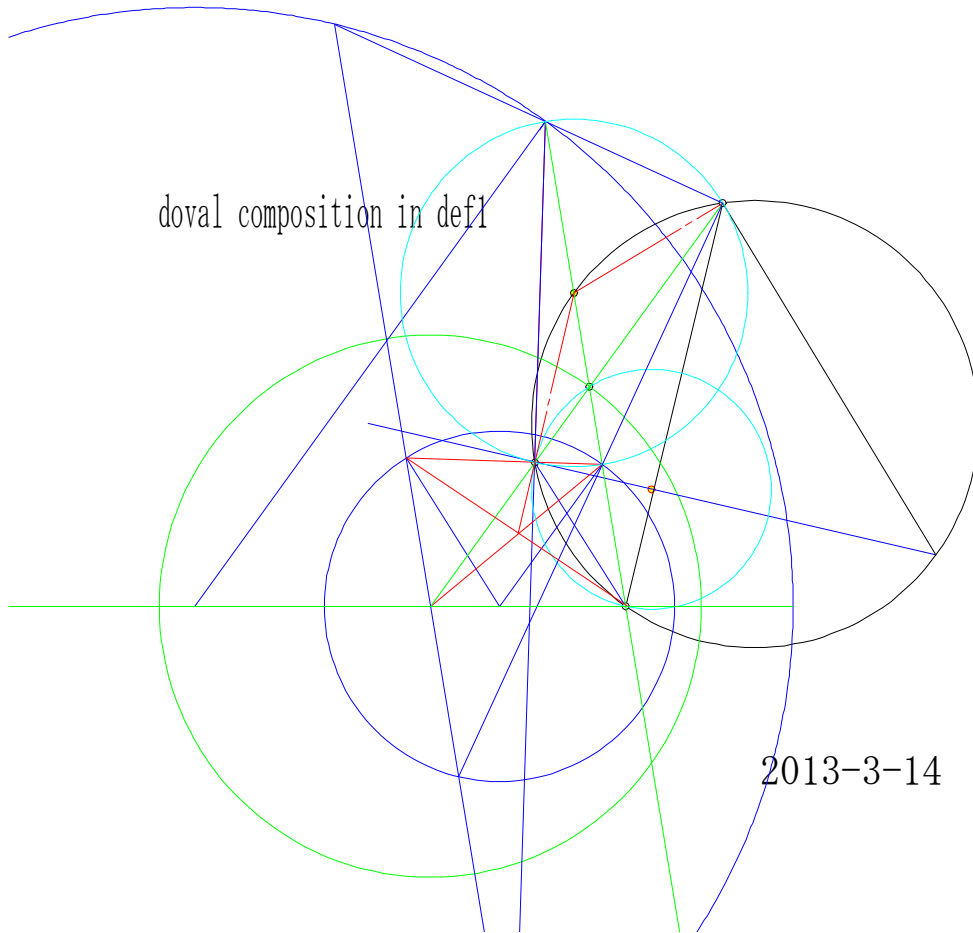
Il gioco ha un ruolo importante perché preforma alla creatività nella vita, anche se questa un gioco non è. E quale strumento migliore del PC? Questo, oramai inseparabile compagno di giochi, è in grado di stimolare la fantasia, la creatività e di sviluppare le capacità in modo autonomo.

Grazie ai software, che soprattutto i giovanissimi apprendono rapidamente ed usano con grande padronanza , è possibile sviluppare la creatività, senza ridurla alle sole intuizione e curiosità, con impegno, motivazione e determinazione.

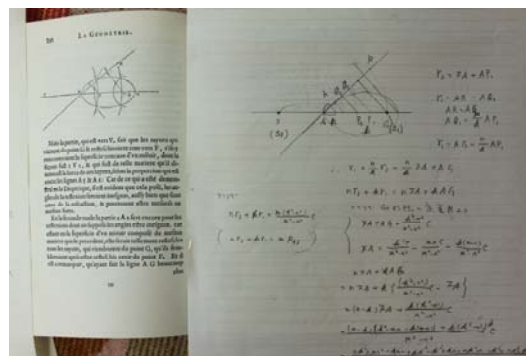
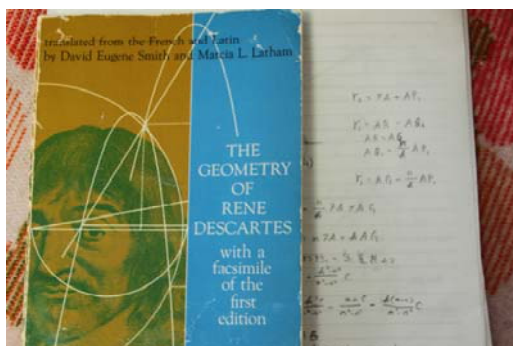
In questo il PC è un validissimo strumento poiché permette simulazioni, verifiche e scelte, attività familiari alla creatività in molti campi: grafica, fotografia, modellazione 3D, video, animazione, sound design ecc.

Gli stessi videogiochi stimolano la creatività e la capacità di risolvere quesiti e problemi. I loro intenti sono molteplici : fare sport, allenare la mente , combattere l' invecchiamento. Ma sono ultimamente utilizzati anche come supporto didattico, anche in alcuni atenei, dove studenti di Economia si allenano con specifici videogame che stimolano a prendere decisioni e ad essere creativi. I videogiochi , infatti, possono risvegliare anche emozioni positive che danno una carica di energia a sprigionare la potenza creativa.

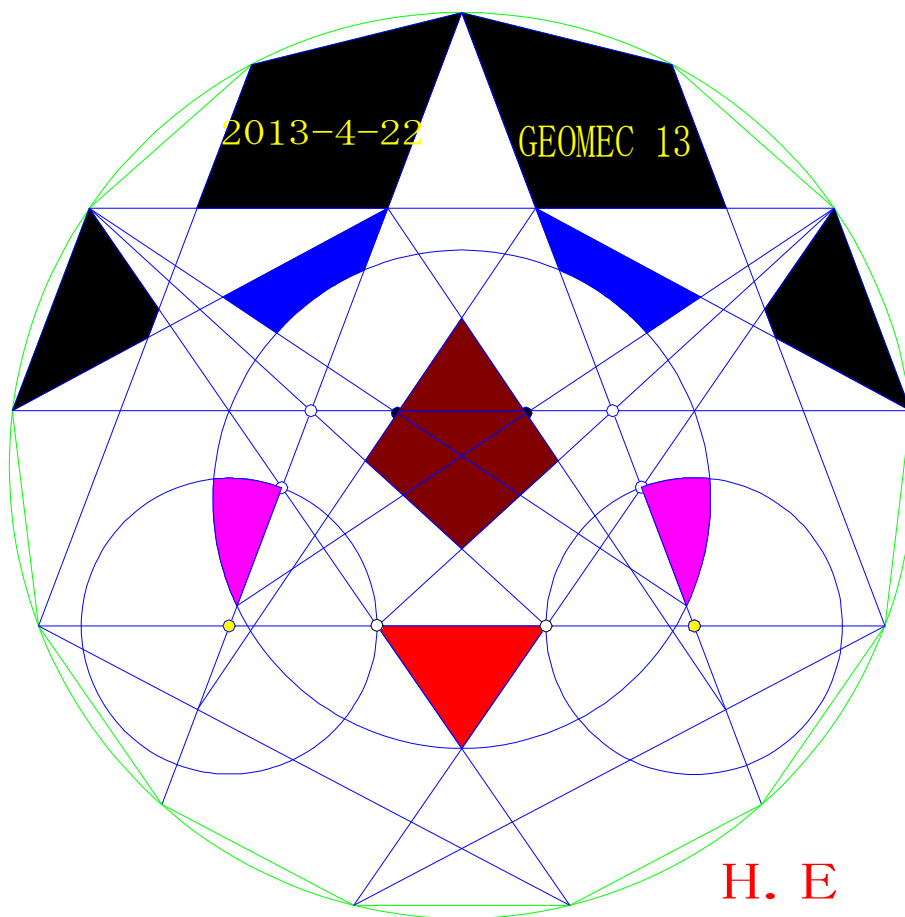
7. Doval Geomtery in it's definition Composition



This is Doval DEF 1 Composition (fixed Circle and fixed point)
 adding { [normal-lines tangent-lines draw-Method]
 theorem-composition. }



THANK YOU!!!



Ciao

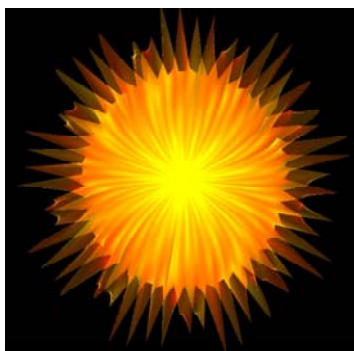
Jaa Mata

geoMathe Diary30th

IDEAL and Passion No.3

by Hirotaka Ebisui (Editor) and Maria Intagliata

hope



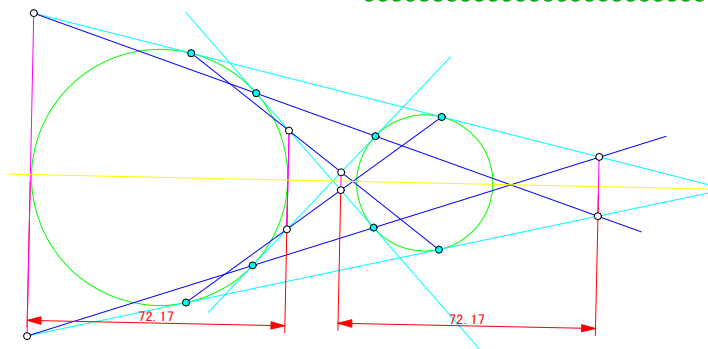
by M.I

contents

1. "hope"
2. on Simson Theorem
3. NUMBER table
4. 2D by H.E 3D by M.I
5. " Teach"
6. Doval NEW Results
7. Thank you Geomec 1 2

Last September I retired. The teaching of mathematics, together with the family, are my whole life. To win the sadness and keep my mind young and contacts with my beloved discipline, I have agreed to share my passion for the work in 3D with my dear friend, prof. Hirotaka Ebisui. I am certain that the pleasant experience of this geoMathediary can make richer and enjoyable the days of my new life

by M.I



by H.E

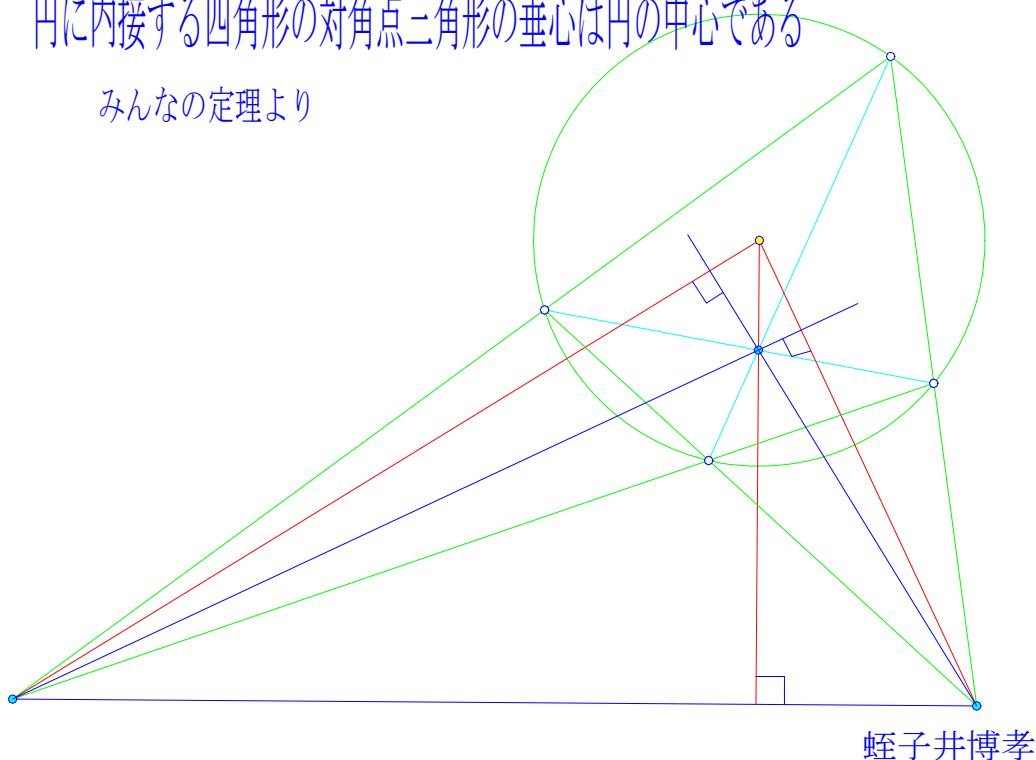
卵形線研究センター <http://hoval.blogzine.jp/>

2013-4-25 no.2-1

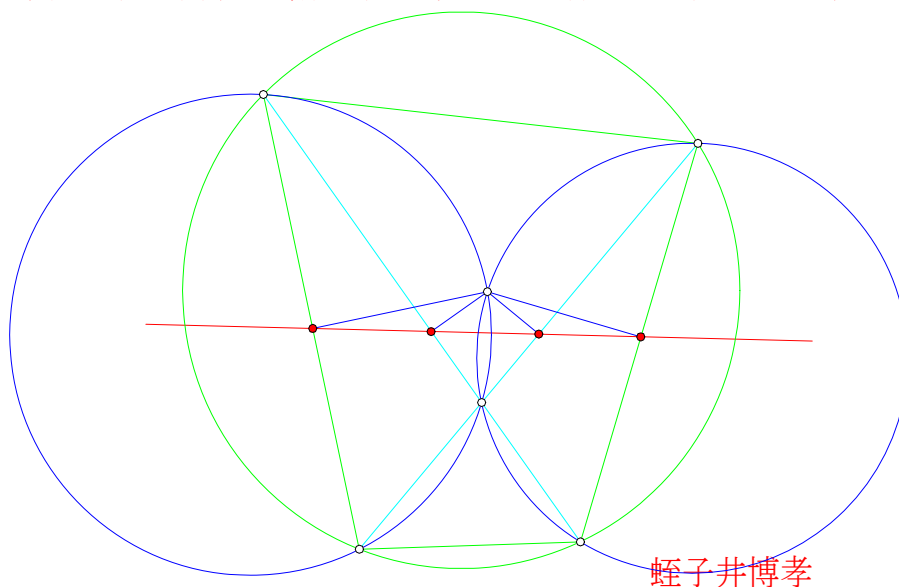
2. Some Theorems in Geometry

円に内接する四角形の対角点三角形の垂心は円の中心である

みんなの定理より



円に内接する四角形の対角線による分割三角形の外接円の交点に対するその三角形のシムソン線は共通線である



3. NUM TABLE created by Maple by H.E

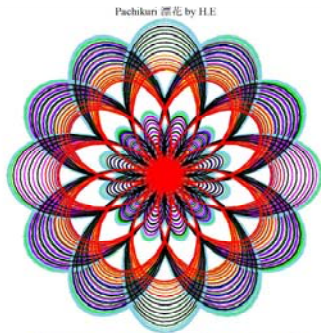
```

> # NUMBER Table {x2 + y2 = zh | 1 < x < y ≤ 100, 2 < h ≤ 100} by H.E :
No(1), [2]2 + [11]2 = [5]3
No(2), [5]2 + [10]2 = [5]3
No(3), [7]2 + [24]2 = [5]4
No(4), [9]2 + [46]2 = [13]3
No(5), [10]2 + [30]2 = [10]3
No(6), [10]2 + [55]2 = [5]5
No(7), [15]2 + [20]2 = [5]4
No(8), [16]2 + [88]2 = [20]3
No(9), [17]2 + [68]2 = [17]3
No(10), [18]2 + [26]2 = [10]3
No(11), [25]2 + [50]2 = [5]5
No(12), [26]2 + [39]2 = [13]3
No(13), [28]2 + [96]2 = [10]4
No(14), [38]2 + [41]2 = [5]5
No(15), [40]2 + [80]2 = [20]3
No(16), [47]2 + [52]2 = [17]3
No(17), [60]2 + [80]2 = [10]4
No(18), [75]2 + [100]2 = [25]3
No(19), [75]2 + [100]2 = [5]6

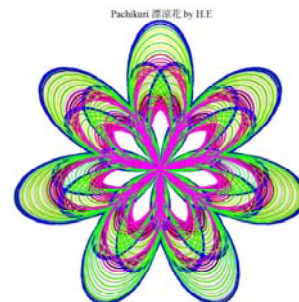
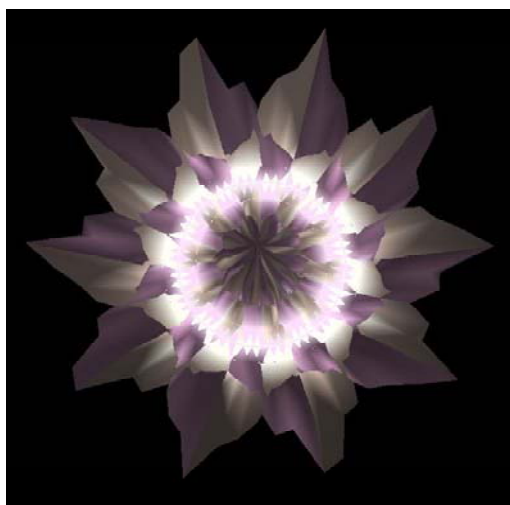
```

(1)

4. 2D (by H.E) 3D (by M.I) EQG



BGT = "10-16 (09:55:47 PM)", HLA = {45}, HHHB = {5, 2, 1, 12}
 $X = 2 \sin(185 t) + 5 \sin(185 t) \cos(444 t) \cos(\cos(t))$
 $Y = 2 \cos(185 t) + 5 \cos(185 t) \cos(444 t) \cos(\cos(t))$
 $\left[t = 0..2 \pi, \pi = \frac{1}{10} \right]$ 親子并排李



BGT = "10-16 (09:57:14 PM)", HLC = {107}, HHHB = {5, 2, 2, 7}
 $X = 2 \sin(185 t) \cos(259 t) + 5 \sin(185 t) \cos(518 t) \cos(\cos(t))$
 $Y = 2 \cos(185 t) \cos(259 t) + 5 \cos(185 t) \cos(518 t) \cos(\cos(t))$
 $\left[t = 0..2 \pi, \pi = \frac{1}{10} \right]$ 親子并排李

5 . " TEACH"

Insegnare è sedurre In Italian by Maria Intagliata

Leggendo le biografie di grandi scienziati o studiosi, anche matematici, si trova sempre qualche riferimento ad un docente che ha segnato una loro scelta o un orientamento decisivo nella vita. In fondo, spesso, anche per ciascuno di noi è così: talvolta l'inclinazione verso una disciplina è stata determinata dalla bravura, ma soprattutto dal fascino dell'insegnante. E di seduzione si tratta! Lo studente guarda estasiato l'insegnante che è capace di sedurlo e che può farlo solo se esercita non un mestiere ma una vocazione, nobile ed autentica. L'empatia che deve nascere tra allievo e docente, perché l'insegnamento sia utile al giovane, nella sua crescita umana e culturale, si deve fondare su quell'amore che il docente ha per quello che insegna e che scaturisce da quello che dice. Io posso insegnare bene la matematica solo se la amo e sono in grado di trasferire ad altri la mia passione. S'impara a conoscere solo ciò che si ama e più si ama e ci si appassiona e più profonda e proficua è la conoscenza. Questa è una conquista faticosa, ma l'amore e la passione di chi ce la regala possono renderla più agevole e preziosa. Io sono una insegnante e la cosa più bella che mi sono sentita dire da uno studente in tutta la mia carriera è stata: "Prof, ho capito, ma soprattutto che lei ama quello che dice!"

Teaching is seducing In English by Maria INtagliata

Reading the biographies of great scientists or scholars, even mathematicians, there is always some reference to a teacher who scored their choice or decisive guidance in life. After all, often, for each one of us is this: sometimes the inclination towards a discipline has been determined by the skill, but above all by the charm of the teacher. And it comes to seduction!

The student looks ecstatic that the teacher is able to seduce him and he can do it if he pursues not only a profession but a vocation, a noble and authentic. The empathy that must be born between student and teacher, because teaching is useful to young people and their human and cultural growth, must be founded on the love that the teacher has to teach and what that stems from what he says. I can teach mathematics well only if I love her and am able to transfer to others is my passion. We learn to know only what you love and the more we love and we are passionate about and deeper and profitable is knowledge. This is a hard won, but the love and passion of the one who gives it can make

it easier and more valuable. I am a teacher and the most beautiful thing that I was told by a student in my whole career has been: "Prof, I understand, but most of all that you love what you said!".

教育とは、 蛭子井博考

教育とは何だろう。自己教育、他者教育、見本と演習を与え合うこと。これですべてと思う。母がよく見せた。肩を見せて育てることを。多くを語っても仕方がない。教育には、情熱と理想が居る。幸い私は、教育職、研究職、教育職に就いた経験がある。目で語るまで熟練しなかったが、乙女のきれいな目をみて、疑問を解決できた経験がある。また、「します。しなさい。させてください。しなけばなりませんなどの実行条件のニュワンスの違いをわかることが、仕事上必要であった。人が何が言いたいのか、何がしたいのか、第2外国語でつかむ経験したことが、役に立つ。教育は、言葉を超えた仕事である。知識の獲得、知的発達、言葉だけではできない。厳密に考える癖だけでは進歩しない。これが、私の教育経験である。何回も試みるのが、一番大事である。ありがとうピタゴラス。

What is to teach? by Hirotaka Ebisui

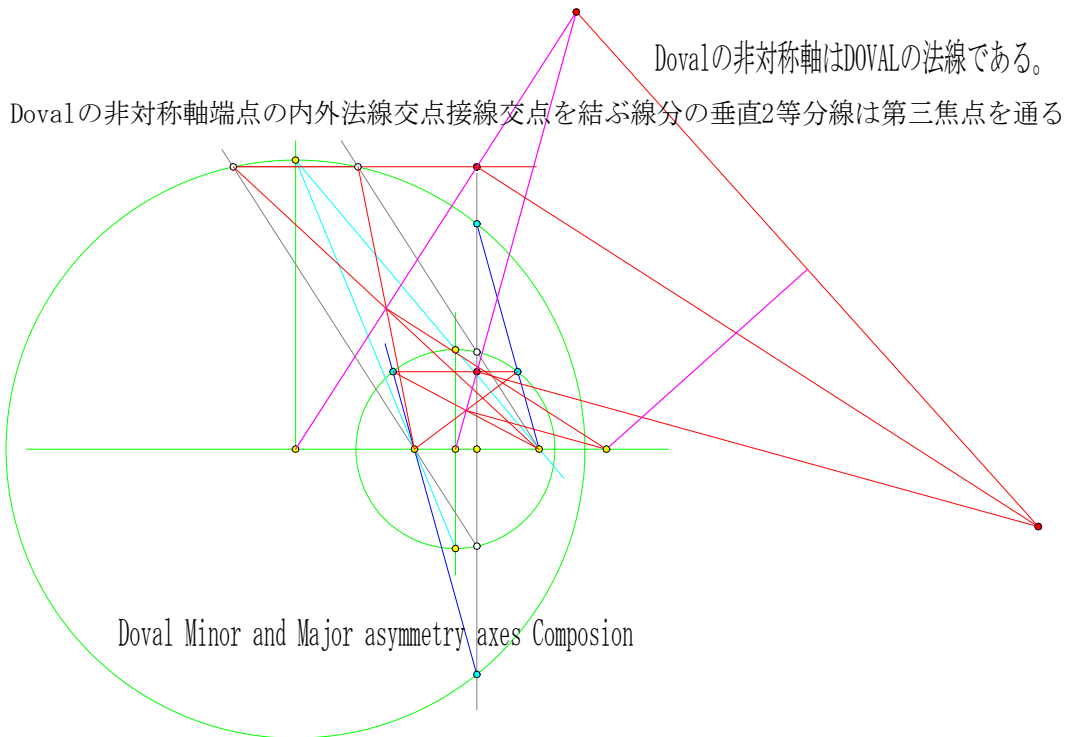
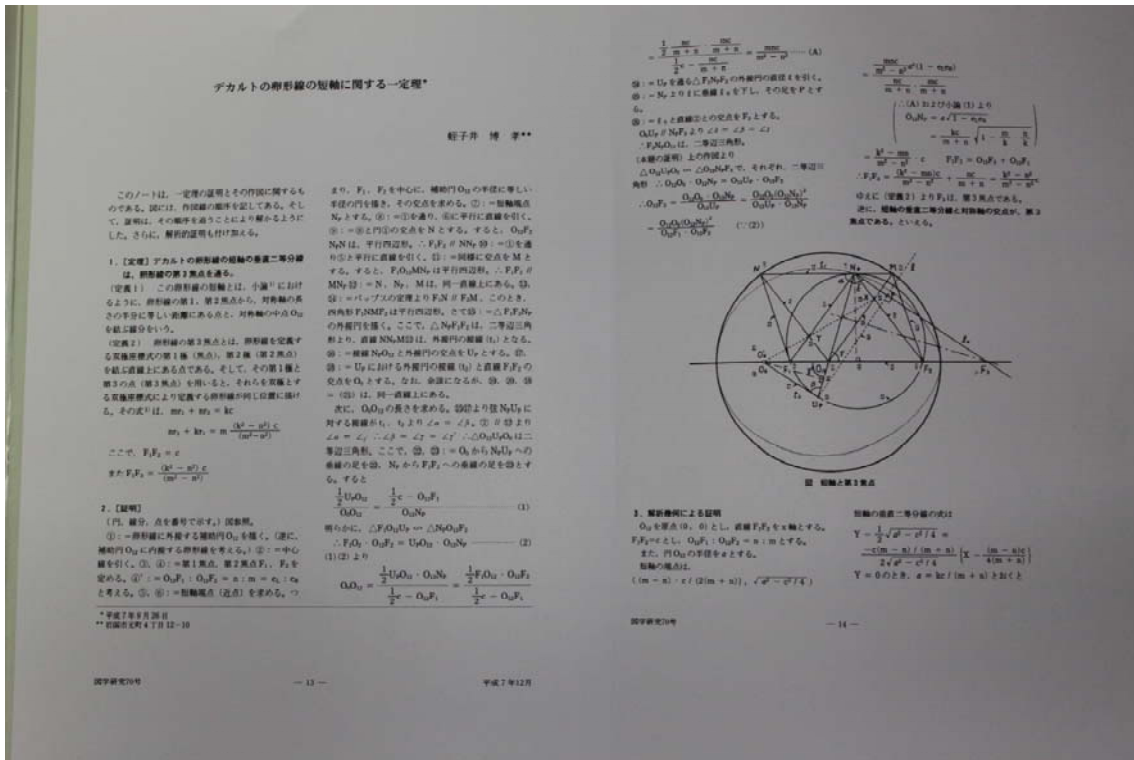
What is to teach? Selfedu otheredu. To give good example and excersise. This is all to teach,I think. My mother often show me standing form in the kitchin. It is backside for me, and learn what does she do. No more word for Edu. For Edu,we need Ideal and Passion. Furtunately, I had edu job, research job ,and edu jod.I could not be good teacher by teach useing eye contact. But ,one day, pure girls eye give me the inspiration to solve my problem of research. Another experience. My poss said" we do this. (します) " ,not said "you must do this (しなさい)

We Need catch what we do. What does he want to say or do? by second langage. I cought them.

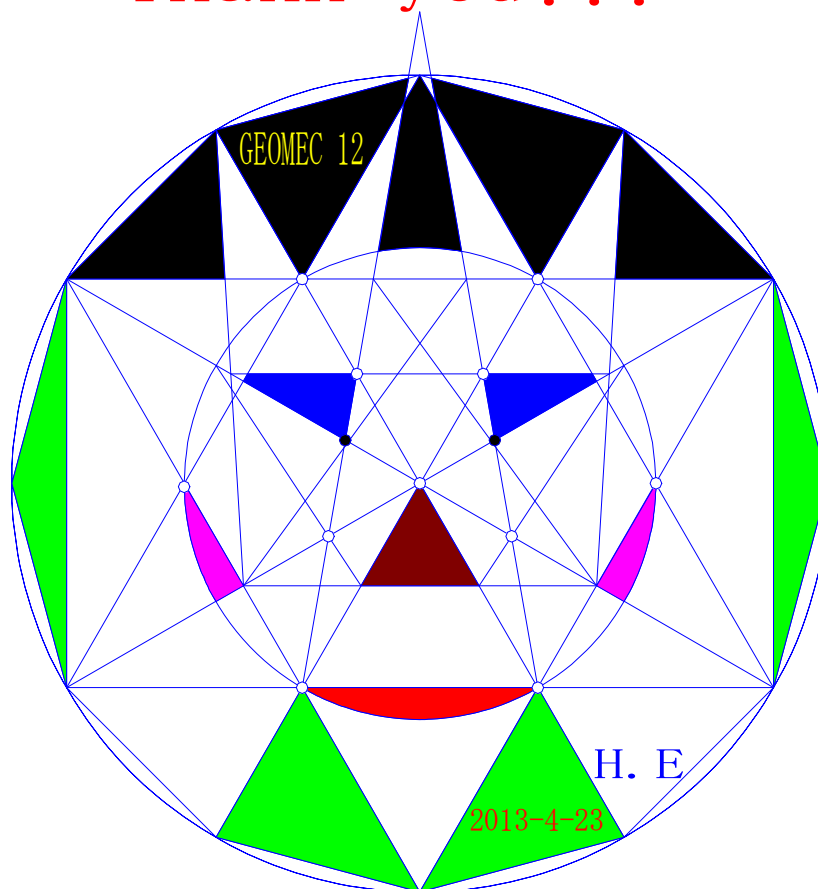
To teach is beyond words. For to learn knowledge and to grow in mind, words is not enough、 and only to consider detailly is not good. This is myself EDu with others. To try again and again

is most important.Thank Phytagoras(myteacher of mathe).

6. Doval Geomtry in it's Axes Composition



Thank you!!!



編集後記 目次を決め、二つ目のシムソンの新定理を探すのには苦勞した。
 証明なしの使命の構図を見つけた。また、マリアさんと自分の CG を一つのページにした。
 今回は、教育とはで記事を書き合った。最後の DOVAL についての新定理は自慢できる。
 geoMathe Diary 30th は急いで創った。 3日に一回のハイペースである。以後5日計画
 に戻すつもりだ。
 蛭子井博孝記