

Exemple de normes d'intersections sur le tore [Généré automatiquement]

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1 Données 1

Norme $[[[-12,-74],[-16,-56],[-62,-90],[80,-28],[-46,2],[-100,-47],[-14,9],[49,-22],[-31,87],[-76,-12],[-7,-58],[28,-52],[9,12],[-86,64],[41,-81],[43,72],[17,-8],[2,-86],[-88,-13]]$

Points

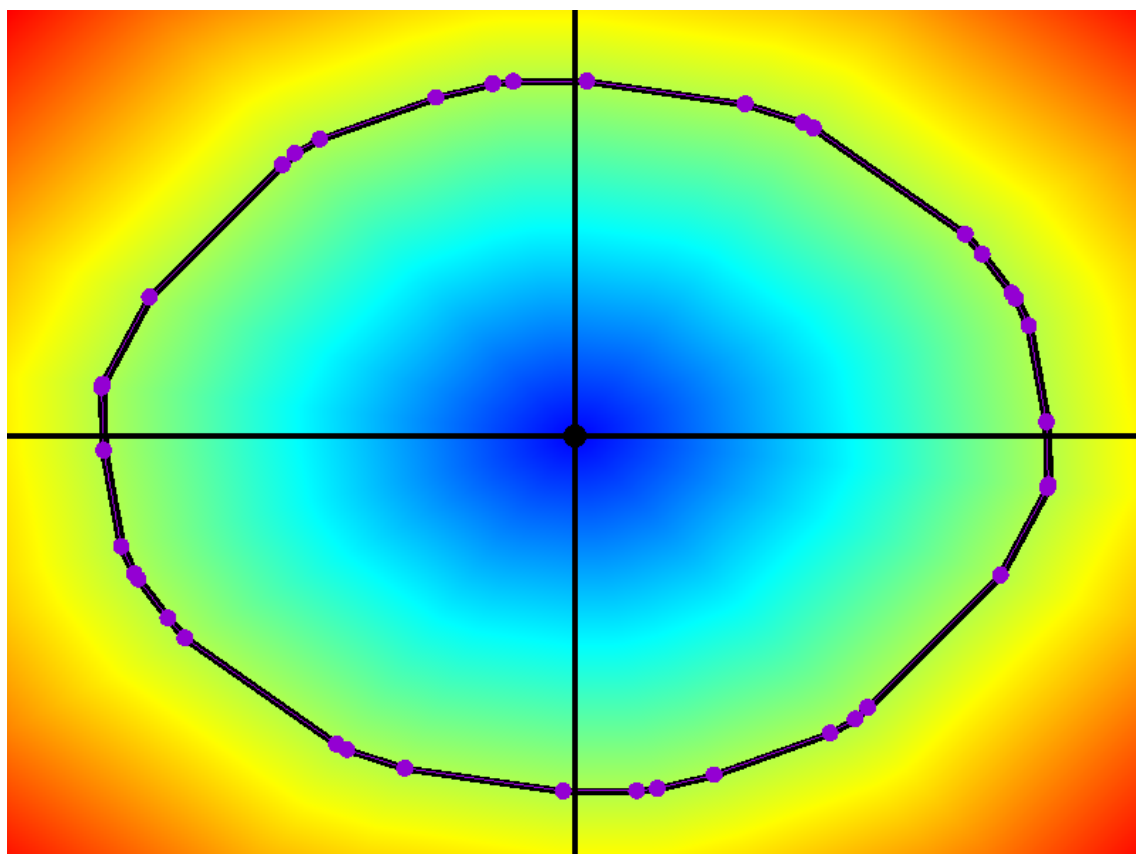
- (88/76577 ; 13/76577)
- (19/16564 ; 3/16564)
- (100/96823 ; 47/96823)
- (3/4223 ; 4/4223)
- (1/1470 ; 3/3038)
- (43/69447 ; 24/23149)
- (2/5921 ; 7/5921)
- (6/30067 ; 37/30067)
- (7/46841 ; 58/46841)
- (-1/34696 ; 43/34696)
- (-31/75038 ; 87/75038)
- (-41/74002 ; 81/74002)
- (-7/12088 ; 13/12088)
- (-43/45397 ; 32/45397)
- (-14/14169 ; 3/4723)
- (-17/16025 ; 8/16025)
- (-49/45799 ; 22/45799)
- (-20/18157 ; 7/18157)
- (-23/20098 ; 1/20098)
- (-88/76577 ; -13/76577)
- (-19/16564 ; -3/16564)
- (-100/96823 ; -47/96823)
- (-3/4223 ; -4/4223)
- (-1/1470 ; -3/3038)
- (-43/69447 ; -24/23149)

- ($-2/5921$; $-7/5921$)
- ($-6/30067$; $-37/30067$)
- ($-7/46841$; $-58/46841$)
- ($1/34696$; $-43/34696$)
- ($31/75038$; $-87/75038$)
- ($41/74002$; $-81/74002$)
- ($7/12088$; $-13/12088$)
- ($43/45397$; $-32/45397$)
- ($14/14169$; $-3/4723$)
- ($17/16025$; $-8/16025$)
- ($49/45799$; $-22/45799$)
- ($20/18157$; $-7/18157$)
- ($23/20098$; $-1/20098$)

1-formes

- (873 ; -19)
- (847 ; 157)
- (823 ; 309)
- (729 ; 509)
- (705 ; 527)
- (525 ; 651)
- (381 ; 737)
- (269 ; 769)
- (121 ; 793)
- (5 ; 807)
- (-167 ; 803)
- (-341 ; 741)
- (-503 ; 659)
- (-607 ; 603)
- (-735 ; 431)
- (-753 ; 403)
- (-769 ; 369)
- (-813 ; 271)
- (-869 ; 111)
- (-873 ; 19)
- (-847 ; -157)
- (-823 ; -309)
- (-729 ; -509)

- (-705 ; -527)
- (-525 ; -651)
- (-381 ; -737)
- (-269 ; -769)
- (-121 ; -793)
- (-5 ; -807)
- (167 ; -803)
- (341 ; -741)
- (503 ; -659)
- (607 ; -603)
- (735 ; -431)
- (753 ; -403)
- (769 ; -369)
- (813 ; -271)
- (869 ; -111)



2 Données 2

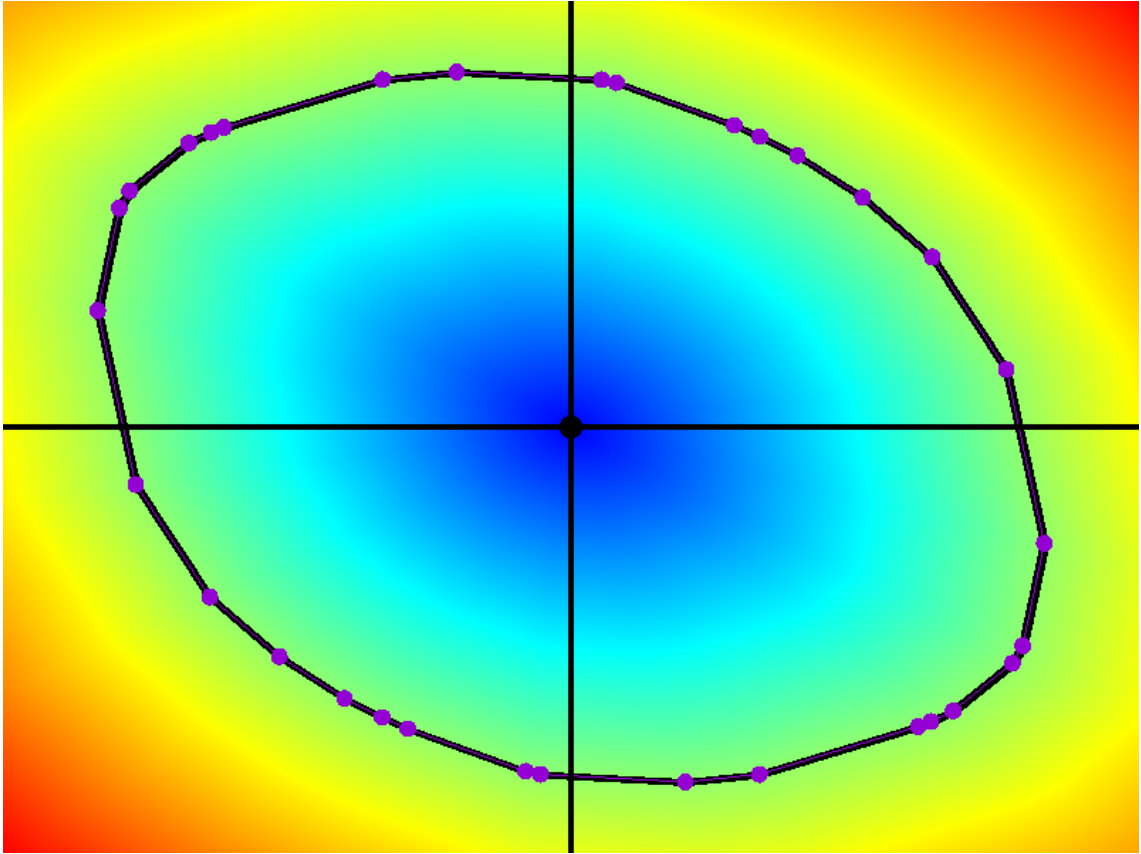
Norme $\begin{bmatrix} [-49,-68], [27,93], [17,26], [-63,-57], [-8,23], [-15,-87], [-21,47], [-98,-45], [-97,24], [-6,85], [-73,-73], [-18,-29], [-11,38], [74,-65], [-4,85], [34,-50] \end{bmatrix}$

Points

- (14/11855 ; 9/16597)
- (3/2662 ; 19/18634)
- (1/908 ; 1/908)
- (49/51389 ; 68/51389)
- (17/18939 ; 26/18939)
- (2/2309 ; 29/20781)
- (1/2128 ; 31/19152)
- (1/3506 ; 29/17530)
- (-4/52519 ; 85/52519)
- (-6/52981 ; 85/52981)
- (-11/27021 ; 38/27021)
- (-8/16995 ; 23/16995)
- (-21/37162 ; 47/37162)
- (-17/23364 ; 25/23364)
- (-74/82113 ; 65/82113)
- (-97/89335 ; 24/89335)
- (-14/11855 ; -9/16597)
- (-3/2662 ; -19/18634)
- (-1/908 ; -1/908)
- (-49/51389 ; -68/51389)
- (-17/18939 ; -26/18939)
- (-2/2309 ; -29/20781)
- (-1/2128 ; -31/19152)
- (-1/3506 ; -29/17530)
- (4/52519 ; -85/52519)
- (6/52981 ; -85/52981)
- (11/27021 ; -38/27021)
- (8/16995 ; -23/16995)
- (21/37162 ; -47/37162)
- (17/23364 ; -25/23364)
- (74/82113 ; -65/82113)
- (97/89335 ; -24/89335)

1-formes

- (895 ; -105)
- (805 ; 91)
- (691 ; 217)
- (545 ; 363)
- (409 ; 461)
- (357 ; 495)
- (299 ; 531)
- (113 ; 585)
- (-61 ; 615)
- (-231 ; 607)
- (-401 ; 595)
- (-477 ; 573)
- (-523 ; 557)
- (-617 ; 515)
- (-717 ; 447)
- (-847 ; 299)
- (-895 ; 105)
- (-805 ; -91)
- (-691 ; -217)
- (-545 ; -363)
- (-409 ; -461)
- (-357 ; -495)
- (-299 ; -531)
- (-113 ; -585)
- (61 ; -615)
- (231 ; -607)
- (401 ; -595)
- (477 ; -573)
- (523 ; -557)
- (617 ; -515)
- (717 ; -447)
- (847 ; -299)



3 Données 3

Norme $[[-18, 100], [67, -10], [25, 90], [-97, -76], [-45, -35], [83, -9], [-64, 72], [-84, -82], [87, -30], [-24, -88], [68, -53], [6, -93], [61, -93], [21, -63], [-90, 31], [50, -77]]$

Points

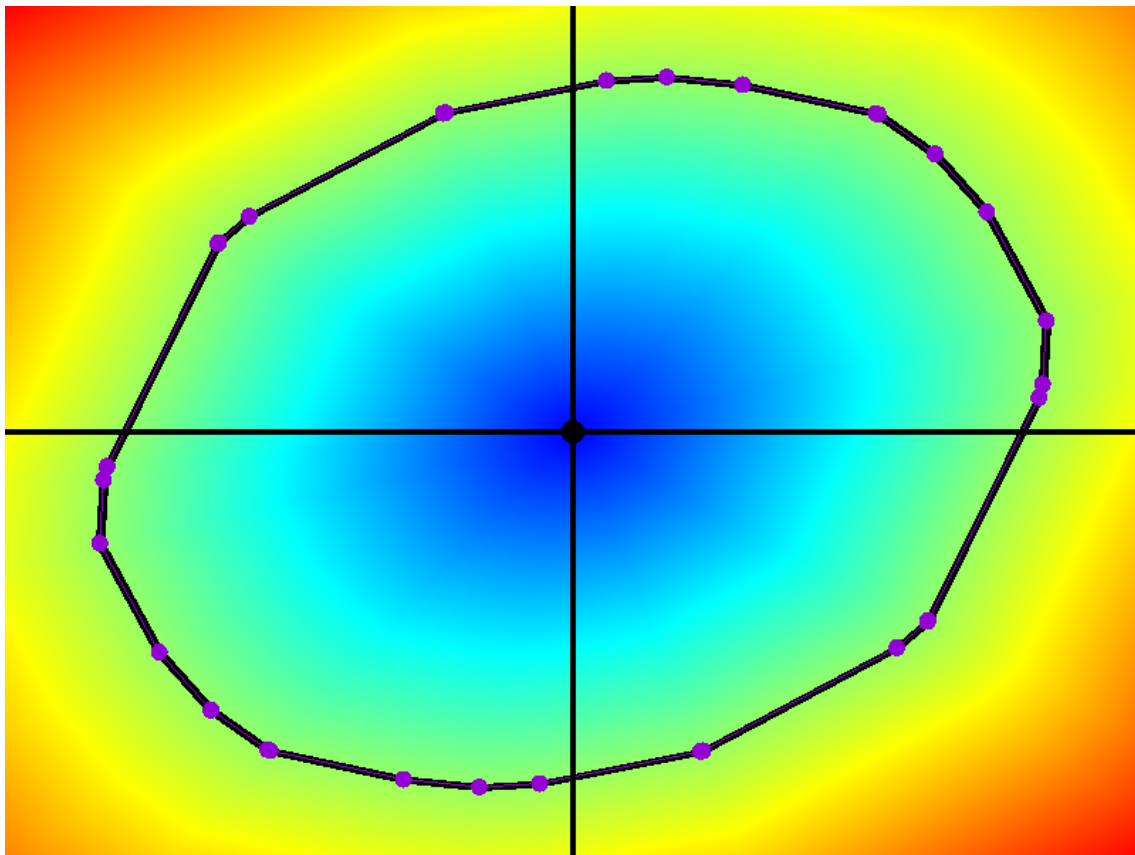
- (9/11398 ; 7/11398)
- (97/123084 ; 19/30771)
- (7/9724 ; 41/58344)
- (5/17336 ; 9/8668)
- (3/10570 ; 11/10570)
- (-1/13535 ; 31/27070)
- (-9/43234 ; 25/21617)
- (-1/2652 ; 1/884)
- (-1/1484 ; 11/10600)
- (-61/89866 ; 93/89866)
- (-4/4969 ; 9/9938)
- (-34/36949 ; 53/73898)
- (-29/27558 ; 5/13779)
- (-9/8552 ; 31/85520)
- (-67/64188 ; 5/32094)
- (-83/80106 ; 3/26702)

- ($-9/11398$; $-7/11398$)
- ($-97/123084$; $-19/30771$)
- ($-7/9724$; $-41/58344$)
- ($-5/17336$; $-9/8668$)
- ($-3/10570$; $-11/10570$)
- ($1/13535$; $-31/27070$)
- ($9/43234$; $-25/21617$)
- ($1/2652$; $-1/884$)
- ($1/1484$; $-11/10600$)
- ($61/89866$; $-93/89866$)
- ($4/4969$; $-9/9938$)
- ($34/36949$; $-53/73898$)
- ($29/27558$; $-5/13779$)
- ($9/8552$; $-31/85520$)
- ($67/64188$; $-5/32094$)
- ($83/80106$; $-3/26702$)

1-formes

- (1002 ; 340)
- (932 ; 430)
- (780 ; 624)
- (616 ; 792)
- (436 ; 842)
- (260 ; 890)
- (74 ; 878)
- (-126 ; 842)
- (-252 ; 800)
- (-406 ; 700)
- (-592 ; 578)
- (-736 ; 450)
- (-842 ; 314)
- (-902 ; 140)
- (-964 ; -40)
- (-984 ; -174)
- (-1002 ; -340)
- (-932 ; -430)
- (-780 ; -624)
- (-616 ; -792)

- (-436 ; -842)
- (-260 ; -890)
- (-74 ; -878)
- (126 ; -842)
- (252 ; -800)
- (406 ; -700)
- (592 ; -578)
- (736 ; -450)
- (842 ; -314)
- (902 ; -140)
- (964 ; 40)
- (984 ; 174)



4 Données 4

Norme $[[-85,36],[24,23],[-62,-68],[-19,67],[23,25],[-57,-35],[96,-95],[-99,45],[37,80],[62,24],[77,-51],[2,-39],[43,90],[77,100]]$

Points

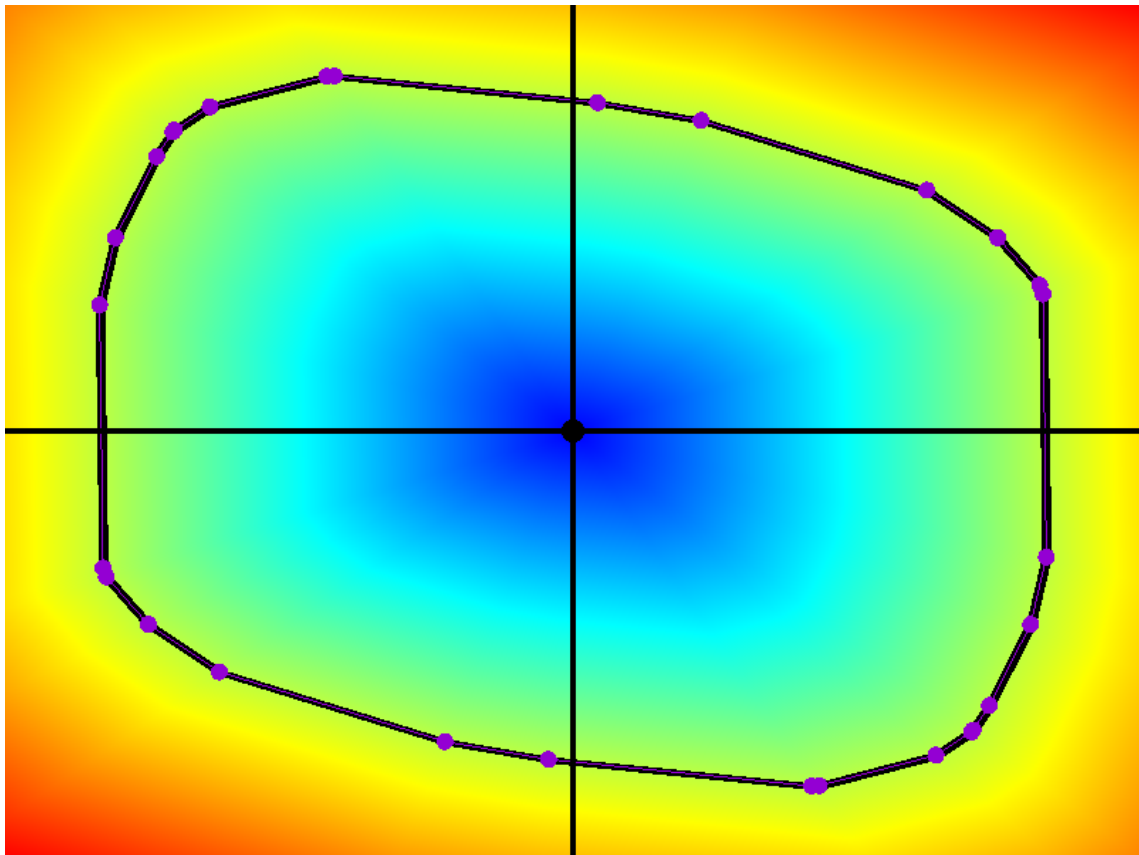
- (31/24034 ; 6/12017)
- (19/15235 ; 7/9141)
- (8/7051 ; 23/21153)
- (23/21097 ; 25/21097)

- (31/28534 ; 17/14267)
- (77/77856 ; 25/19464)
- (43/64074 ; 15/10679)
- (37/56896 ; 5/3556)
- (-2/29981 ; 39/29981)
- (-19/54463 ; 67/54463)
- (-96/99599 ; 95/99599)
- (-77/66557 ; 51/66557)
- (-11/8651 ; 5/8651)
- (-85/66382 ; 18/33191)
- (-31/24034 ; -6/12017)
- (-19/15235 ; -7/9141)
- (-8/7051 ; -23/21153)
- (-23/21097 ; -25/21097)
- (-31/28534 ; -17/14267)
- (-77/77856 ; -25/19464)
- (-43/64074 ; -15/10679)
- (-37/56896 ; -5/3556)
- (2/29981 ; -39/29981)
- (19/54463 ; -67/54463)
- (96/99599 ; -95/99599)
- (77/66557 ; -51/66557)
- (11/8651 ; -5/8651)
- (85/66382 ; -18/33191)

1-formes

- (778 ; -7)
- (730 ; 117)
- (660 ; 231)
- (614 ; 279)
- (564 ; 325)
- (428 ; 449)
- (228 ; 603)
- (48 ; 689)
- (-112 ; 763)
- (-190 ; 759)
- (-324 ; 721)
- (-514 ; 529)

- (-616 ; 375)
- (-706 ; 177)
- (-778 ; 7)
- (-730 ; -117)
- (-660 ; -231)
- (-614 ; -279)
- (-564 ; -325)
- (-428 ; -449)
- (-228 ; -603)
- (-48 ; -689)
- (112 ; -763)
- (190 ; -759)
- (324 ; -721)
- (514 ; -529)
- (616 ; -375)
- (706 ; -177)



5 Données 5

Norme [[2,-55],[48,74],[-44,74],[93,-6],[-30,-62],[12,-91],[-36,-60],[-8,28],[-9,-67],[35,-88],[17,52],[67,47],[95,35],[39,-99]]

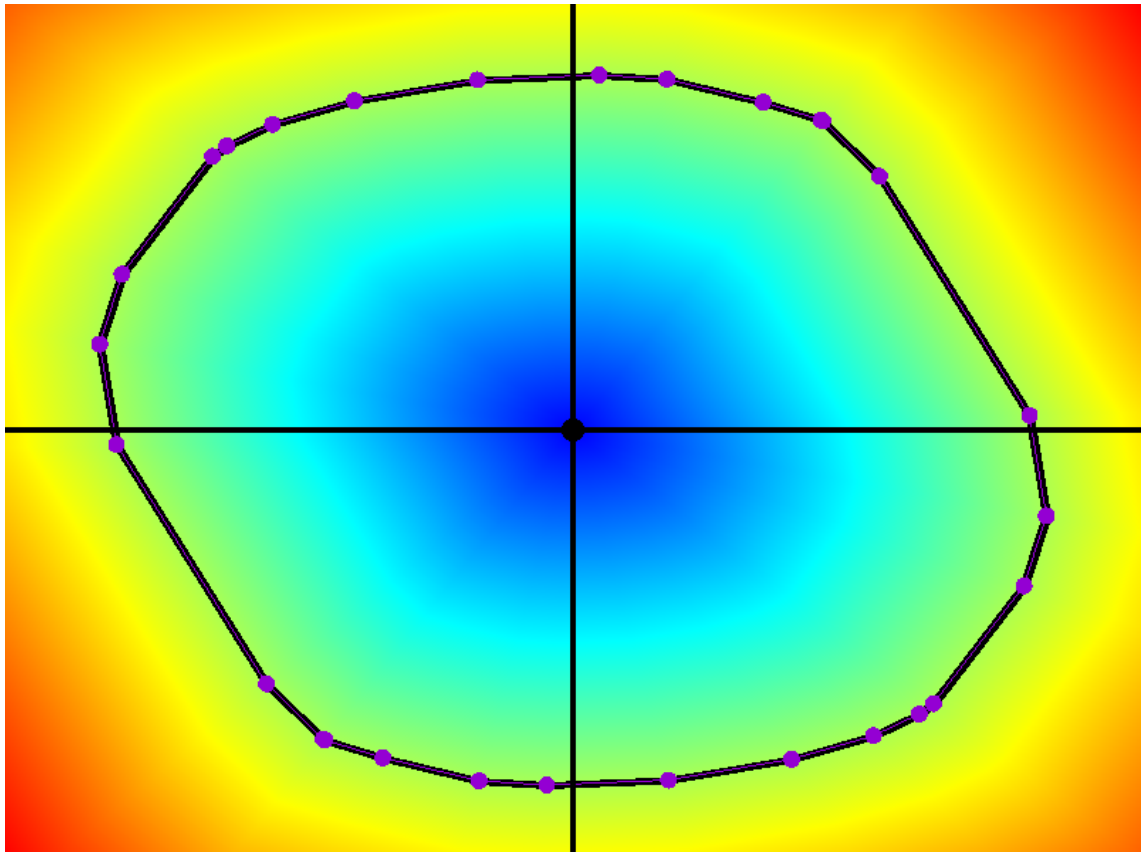
Points

- (19/15439 ; 7/15439)
- (67/57143 ; 47/57143)
- (8/8537 ; 37/25611)
- (1/1111 ; 5/3333)
- (5/6401 ; 31/19203)
- (17/29910 ; 26/14955)
- (9/36241 ; 67/36241)
- (-2/29337 ; 5/2667)
- (-4/16371 ; 91/49113)
- (-2/4045 ; 7/4045)
- (-13/20155 ; 33/20155)
- (-5/7702 ; 44/26957)
- (-22/27607 ; 37/27607)
- (-31/26116 ; 1/13058)
- (-19/15439 ; -7/15439)
- (-67/57143 ; -47/57143)
- (-8/8537 ; -37/25611)
- (-1/1111 ; -5/3333)
- (-5/6401 ; -31/19203)
- (-17/29910 ; -26/14955)
- (-9/36241 ; -67/36241)
- (2/29337 ; -5/2667)
- (4/16371 ; -91/49113)
- (2/4045 ; -7/4045)
- (13/20155 ; -33/20155)
- (5/7702 ; -44/26957)
- (22/27607 ; -37/27607)
- (31/26116 ; -1/13058)

1-formes

- (838 ; -69)
- (768 ; 121)
- (674 ; 255)
- (526 ; 351)
- (406 ; 423)
- (282 ; 483)
- (178 ; 517)

- (44 ; 535)
- (-66 ; 531)
- (-248 ; 507)
- (-304 ; 491)
- (-502 ; 413)
- (-678 ; 343)
- (-826 ; 255)
- (-838 ; 69)
- (-768 ; -121)
- (-674 ; -255)
- (-526 ; -351)
- (-406 ; -423)
- (-282 ; -483)
- (-178 ; -517)
- (-44 ; -535)
- (66 ; -531)
- (248 ; -507)
- (304 ; -491)
- (502 ; -413)
- (678 ; -343)
- (826 ; -255)



6 Données 6

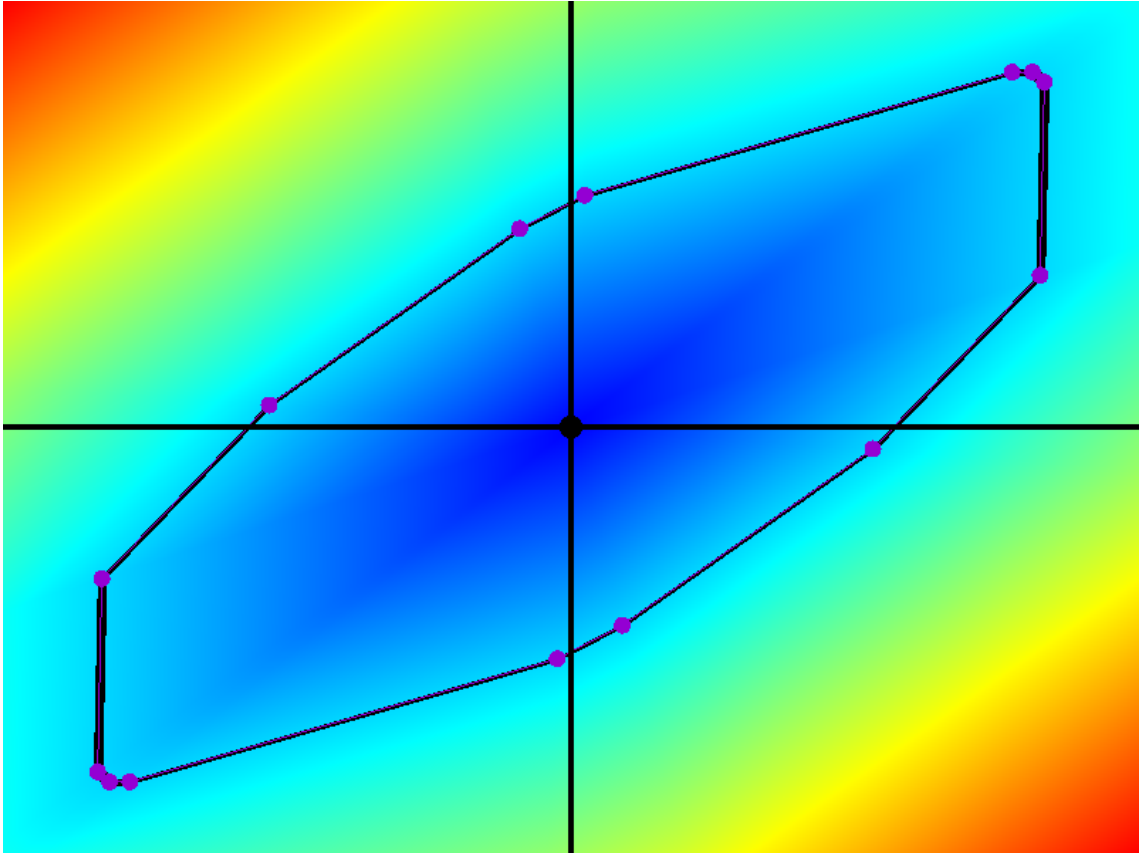
Norme $[[2,-77],[-50,88],[-50,92],[-42,-7],[-96,71],[-6,-53],[-45,75]]$

Points

- $(2/991 ; 1/2973)$
- $(2/5827 ; 53/17481)$
- $(-2/21721 ; 11/3103)$
- $(-25/8477 ; 46/8477)$
- $(-25/8103 ; 44/8103)$
- $(-1/316 ; 5/948)$
- $(-32/10201 ; 71/30603)$
- $(-2/991 ; -1/2973)$
- $(-2/5827 ; -53/17481)$
- $(2/21721 ; -11/3103)$
- $(25/8477 ; -46/8477)$
- $(25/8103 ; -44/8103)$
- $(1/316 ; -5/948)$
- $(32/10201 ; -71/30603)$

1-formes

- $(463 ; 195)$
- $(449 ; 279)$
- $(343 ; 291)$
- $(189 ; 287)$
- $(5 ; 187)$
- $(-171 ; 87)$
- $(-321 ; -3)$
- $(-463 ; -195)$
- $(-449 ; -279)$
- $(-343 ; -291)$
- $(-189 ; -287)$
- $(-5 ; -187)$
- $(171 ; -87)$
- $(321 ; 3)$



7 Données 7

Norme $[[70,-51],[85,-74],[96,-81],[-8,-19],[-65,80],[-38,-73],[78,-43],[-18,-83],[12,-75],[-62,-94],[18,43]]$

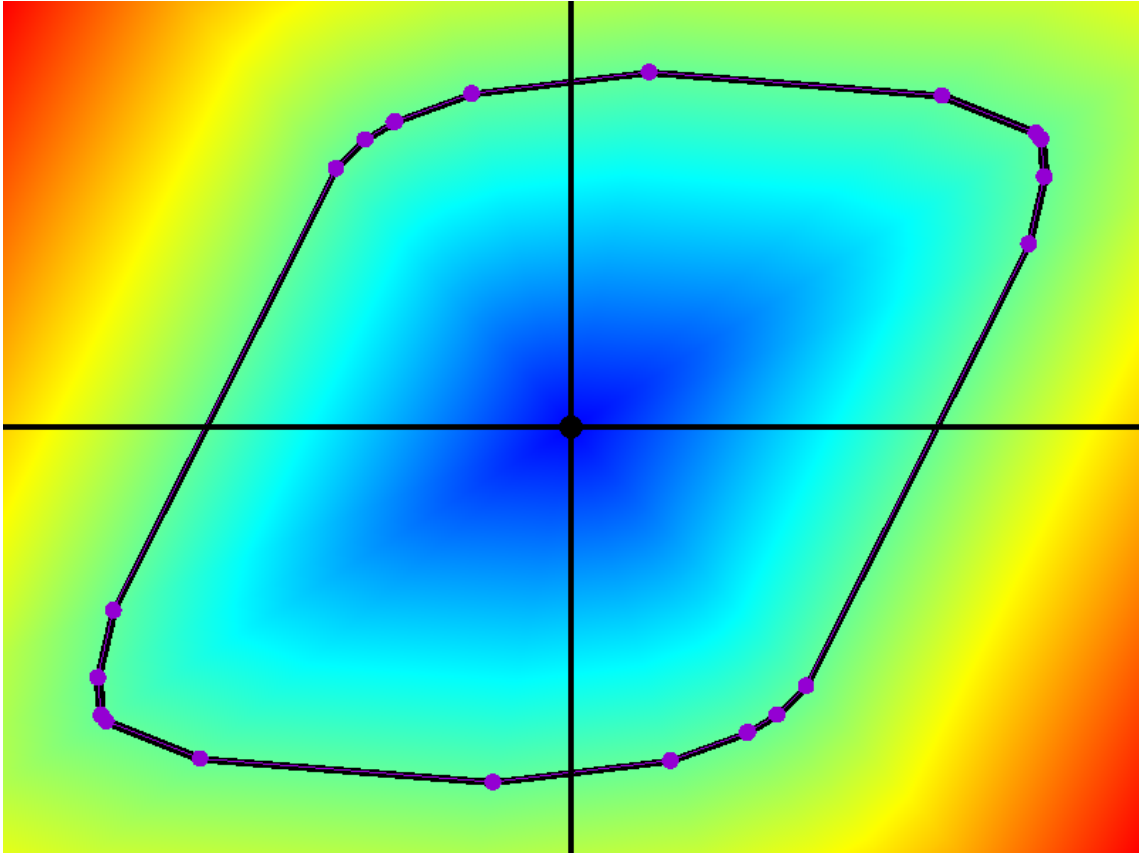
Points

- (31/34510 ; 47/34510)
- (19/24121 ; 73/48242)
- (4/5917 ; 19/11834)
- (9/13373 ; 1/622)
- (9/23653 ; 83/47306)
- (-2/6691 ; 25/13382)
- (-13/9170 ; 8/4585)
- (-85/47834 ; 37/23917)
- (-16/8907 ; 9/5938)
- (-35/19347 ; 17/12898)
- (-39/22291 ; 43/44582)
- (-31/34510 ; -47/34510)
- (-19/24121 ; -73/48242)
- (-4/5917 ; -19/11834)
- (-9/13373 ; -1/622)
- (-9/23653 ; -83/47306)

- ($2/6691$; $-25/13382$)
- ($13/9170$; $-8/4585$)
- ($85/47834$; $-37/23917$)
- ($16/8907$; $-9/5938$)
- ($35/19347$; $-17/12898$)
- ($39/22291$; $-43/44582$)

1-formes

- (716 ; 262)
- (528 ; 386)
- (382 ; 462)
- (344 ; 478)
- (258 ; 514)
- (92 ; 550)
- (-58 ; 526)
- (-218 ; 396)
- (-366 ; 226)
- (-528 ; 34)
- (-630 ; -106)
- (-716 ; -262)
- (-528 ; -386)
- (-382 ; -462)
- (-344 ; -478)
- (-258 ; -514)
- (-92 ; -550)
- (58 ; -526)
- (218 ; -396)
- (366 ; -226)
- (528 ; -34)
- (630 ; 106)



8 Données 8

Norme $[[-18, 3], [99, -62], [-14, -23], [-35, -72], [-37, 21], [81, -8], [4, -71], [93, 51], [-94, -42], [-18, 30], [-69, 9], [-36, 66], [-17, -47], [-21, -7], [-36, -72]]$

Points

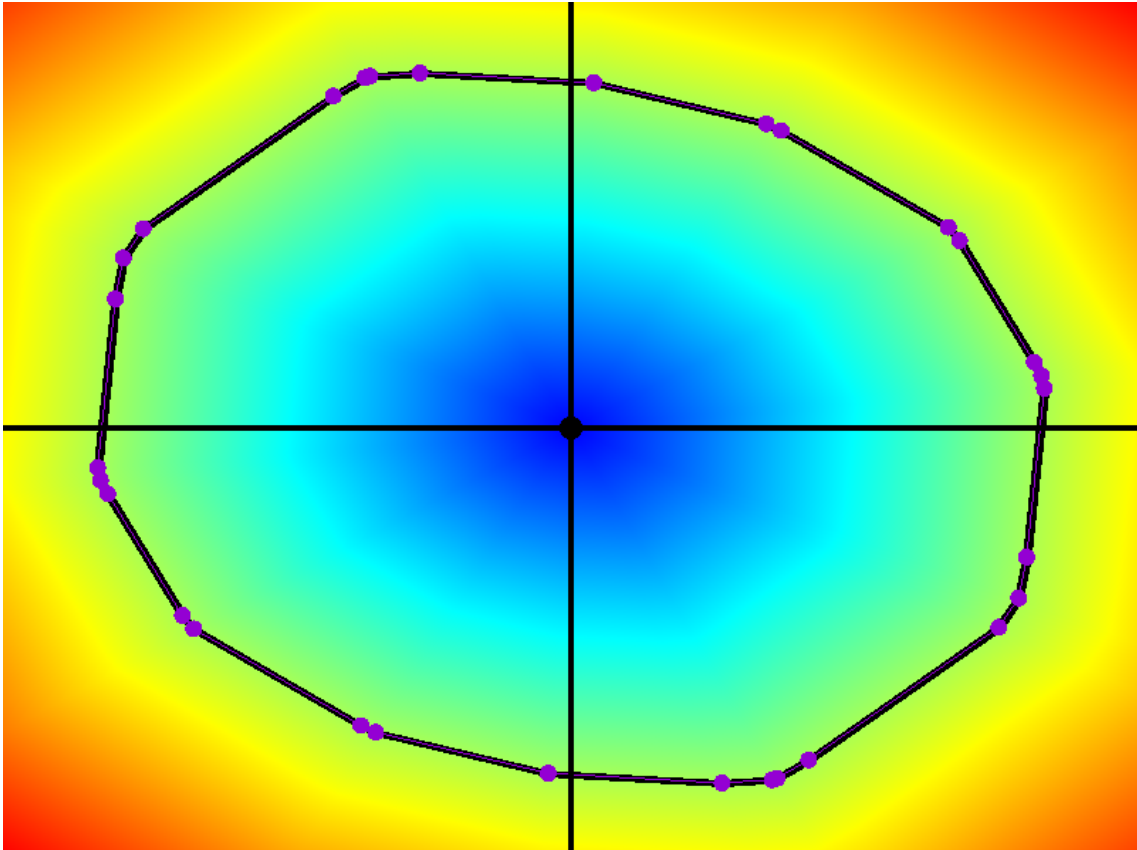
- ($3/1804$; $1/1804$)
- ($1/612$; $7/9588$)
- ($31/19860$; $17/19860$)
- ($7/8070$; $23/16140$)
- ($1/1330$; $1/665$)
- ($35/47686$; $36/23843$)
- ($17/30836$; $47/30836$)
- ($-1/11972$; $71/47888$)
- ($-3/4210$; $11/8420$)
- ($-3/3914$; $5/3914$)
- ($-99/71894$; $31/35947$)
- ($-37/26092$; $21/26092$)
- ($-3/1774$; $1/3548$)
- ($-23/13394$; $3/13394$)
- ($-81/46888$; $1/5861$)
- ($-3/1804$; $-1/1804$)

- ($-1/612$; $-7/9588$)
- ($-31/19860$; $-17/19860$)
- ($-7/8070$; $-23/16140$)
- ($-1/1330$; $-1/665$)
- ($-35/47686$; $-36/23843$)
- ($-17/30836$; $-47/30836$)
- ($1/11972$; $-71/47888$)
- ($3/4210$; $-11/8420$)
- ($3/3914$; $-5/3914$)
- ($99/71894$; $-31/35947$)
- ($37/26092$; $-21/26092$)
- ($3/1774$; $-1/3548$)
- ($23/13394$; $-3/13394$)
- ($81/46888$; $-1/5861$)

1-formes

- (584 ; 52)
- (570 ; 94)
- (486 ; 282)
- (384 ; 468)
- (338 ; 496)
- (194 ; 568)
- (50 ; 638)
- (-44 ; 672)
- (-186 ; 664)
- (-318 ; 592)
- (-378 ; 556)
- (-502 ; 358)
- (-544 ; 284)
- (-550 ; 248)
- (-568 ; 110)
- (-584 ; -52)
- (-570 ; -94)
- (-486 ; -282)
- (-384 ; -468)
- (-338 ; -496)
- (-194 ; -568)
- (-50 ; -638)

- (44 ; -672)
- (186 ; -664)
- (318 ; -592)
- (378 ; -556)
- (502 ; -358)
- (544 ; -284)
- (550 ; -248)
- (568 ; -110)



9 Données 9

Norme [[87,-29],[-90,-24],[5,-53],[-43,70],[25,59],[-80,87],[-8,-65],[-82,60],[-34,-91],[33,-31],[77,14],[-100,19],[16,-60]]

Points

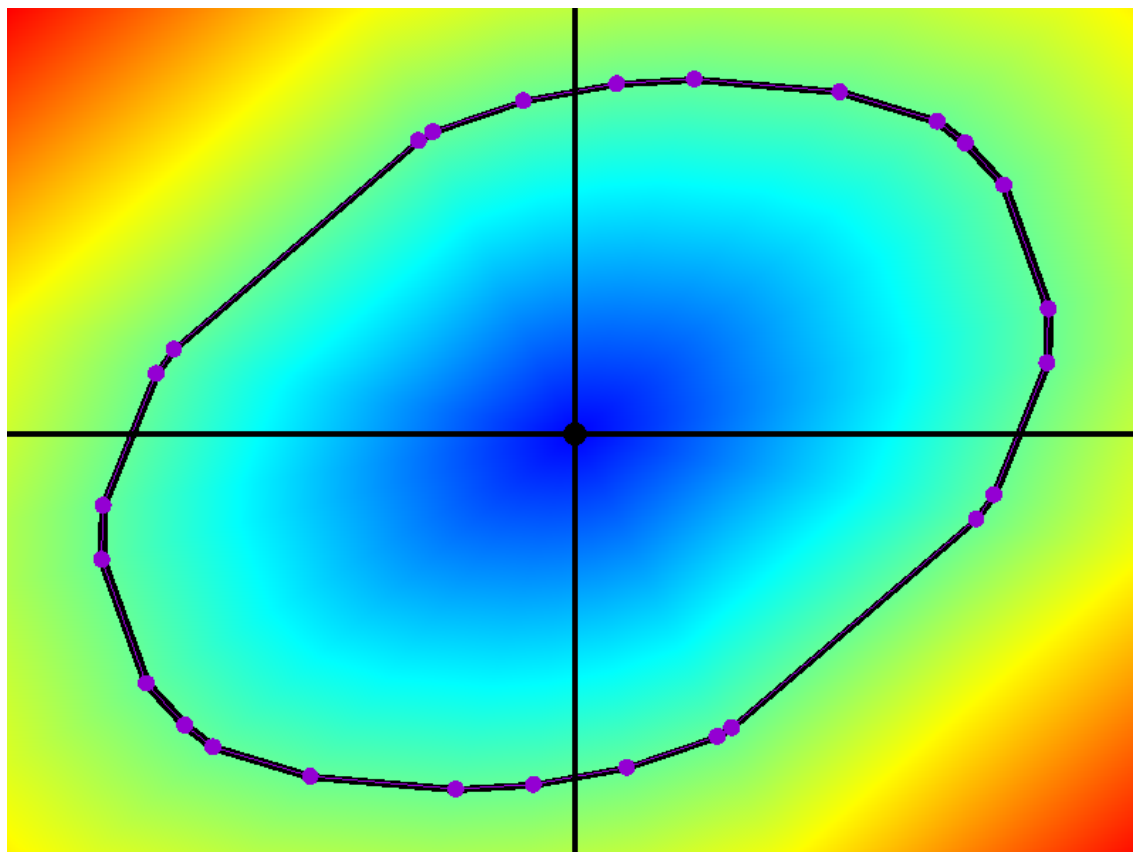
- (11/7706 ; 1/3853)
- (5/3658 ; 2/5487)
- (25/46864 ; 59/46864)
- (17/35074 ; 7/5396)
- (1/5681 ; 5/3496)
- (-1/7052 ; 53/35260)
- (-2/4925 ; 3/1970)
- (-43/47670 ; 1/681)

- ($-10/8103$; $29/21608$)
- ($-33/24824$; $31/24824$)
- ($-41/28066$; $15/14033$)
- ($-1/620$; $1/1860$)
- ($-25/15543$; $19/62172$)
- ($-11/7706$; $-1/3853$)
- ($-5/3658$; $-2/5487$)
- ($-25/46864$; $-59/46864$)
- ($-17/35074$; $-7/5396$)
- ($-1/5681$; $-5/3496$)
- ($1/7052$; $-53/35260$)
- ($2/4925$; $-3/1970$)
- ($43/47670$; $-1/681$)
- ($10/8103$; $-29/21608$)
- ($33/24824$; $-31/24824$)
- ($41/28066$; $-15/14033$)
- ($1/620$; $-1/1860$)
- ($25/15543$; $-19/62172$)

1-formes

- (662 ; 212)
- (634 ; 366)
- (586 ; 546)
- (468 ; 596)
- (286 ; 664)
- (156 ; 680)
- (50 ; 670)
- (-70 ; 638)
- (-210 ; 552)
- (-384 ; 392)
- (-446 ; 326)
- (-566 ; 162)
- (-624 ; -12)
- (-662 ; -212)
- (-634 ; -366)
- (-586 ; -546)
- (-468 ; -596)
- (-286 ; -664)

- (-156 ; -680)
- (-50 ; -670)
- (70 ; -638)
- (210 ; -552)
- (384 ; -392)
- (446 ; -326)
- (566 ; -162)
- (624 ; 12)



10 Données 10

Norme $[[92,10],[-93,57],[-38,-74],[75,9],[-91,-41],[-4,40],[-23,37],[38,-86],[-91,42],[13,15],[-59,-80],[-61,62],[32,-1]]$

Points

- (23/12677 ; 5/25354)
- (25/13824 ; 1/4608)
- (13/8512 ; 41/59584)
- (13/12992 ; 15/12992)
- (59/65116 ; 20/16279)
- (19/28094 ; 37/28094)
- (-1/7004 ; 5/3502)
- (-19/29882 ; 43/29882)

- ($-23/26750$; $37/26750$)
- ($-61/49990$; $31/24995$)
- ($-31/19676$; $19/19676$)
- ($-13/7716$; $1/1286$)
- ($-16/8877$; $1/17754$)
- ($-23/12677$; $-5/25354$)
- ($-25/13824$; $-1/4608$)
- ($-13/8512$; $-41/59584$)
- ($-13/12992$; $-15/12992$)
- ($-59/65116$; $-20/16279$)
- ($-19/28094$; $-37/28094$)
- ($1/7004$; $-5/3502$)
- ($19/29882$; $-43/29882$)
- ($23/26750$; $-37/26750$)
- ($61/49990$; $-31/24995$)
- ($31/19676$; $-19/19676$)
- ($13/7716$; $-1/1286$)
- ($16/8877$; $-1/17754$)

1-formes

- (554 ; -26)
- (534 ; 158)
- (516 ; 308)
- (434 ; 490)
- (404 ; 516)
- (244 ; 634)
- (96 ; 710)
- (16 ; 702)
- (-156 ; 626)
- (-230 ; 580)
- (-354 ; 458)
- (-468 ; 272)
- (-552 ; 90)
- (-554 ; 26)
- (-534 ; -158)
- (-516 ; -308)
- (-434 ; -490)
- (-404 ; -516)

- (-244 ; -634)
- (-96 ; -710)
- (-16 ; -702)
- (156 ; -626)
- (230 ; -580)
- (354 ; -458)
- (468 ; -272)
- (552 ; -90)

