

Example 6 (degree 10) : $F(x, y) = 95x^{10} + (40 + 42i)y^7 - (85 - 25i)y + (77 - 51i)x^9 + (89 - 46i)x^2y^4 - (33 - i)x^5y^2 - (59 + 38i)xy + (33 + 83i)x^2y^5 + (84 + 62i)x^9y - (3 + 21i)y^8 - (7 - 53i)x^2y^3 - (64 - 19i)x^4y^6 - (53 + 39i)x^2y^8 - (36 + 71i)xy^7 + (41 - 47i)x^2y^6 + (4 + 99i)x^3 + (13 + 15i)y^{10} - (9 - 7i)xy^9 - (60 - 81i)x^8y - 50iy^9 - (98 - 17i)x - (82 + 9i)xy^4 + (88 - 9i)x^2 + (55 + 26i)x^4y + (62 - 69i)x^7y - (26 + 39i)x^5y^3 + 71 - 52i + (33 - 99i)x^7y^3 - (92 + 71i)x^3y^2 - (1 + 37i)x^3y^4 + (47 - 42i)x$

Base point : 0.0

Initial fiber :

-1.5552599175187561417 + 0.058821499076706492850
-0.84218060638867436893 + 0.48577480319813980389
-0.66816452342742733682 - 0.69283057949039472195
-0.40961817135091449962 + 0.78074488635500831395
0.21325637200593219736 - 1.4074905715237476119
0.41155788140640138822 - 0.54503027541213966902
0.62820675391305859536 + 1.2054361236237805545
0.72837219283528283058 - 0.10998654216798599734
1.2704202800136073241 + 0.073236505657422921139
2.1269630380038757981 + 1.8010703435766109290 *i*

Permutations (critical points are ordered by increasing arguments) :

index	value	permutation
1	- 1.1252877982541869377- 0.075938928902882583206 i	[7,10]
2	- 1.7576251947727653501- 0.13937330680530695663 i	[8,10]
3	- 1.0698634791252750141- 0.095906997229170623707 i	[3,6]
4	- 1.1717848674972085501- 0.19976383772900675283 i	[3,9]
5	- 1.1101844705481165243- 0.20066460870505900107 i	[8,9]
6	- 1.0778243854920741726- 0.20427839560915912473 i	[2,4]
7	- 1.1149712602784256738- 0.21969007495474622750 i	[5,8]
8	- 1.1401746120374360541- 0.24185929139248312162 i	[2,3]
9	- 0.83427427899061544863- 0.52243667677466343778 i	[2,7]
10	- 0.84187591226383426242- 0.69092810716010060618 i	[7,9]
11	- 0.83317406636490183837- 1.0170786144380579250 i	[1,3]
12	- 0.87308506836101956098- 1.0717400982010740246 i	[1,4]
13	- 0.60414975627619704229- 0.75157210463233345772 i	[2,4]
14	- 0.82778365975334539358- 1.0632914023565471877 i	[2,9]
15	- 0.77072369273587032659- 0.99821187889850127730 i	[5,8]
16	- 0.56121030396539873121- 1.0662023768472600571 i	[5,9]
17	- 1.0951139224375726546- 2.2087047815421327377 i	[2,7]
18	- 0.18967471414370872895- 0.80019204356273634035 i	[1,2]
19	- 0.17729604676137904209- 0.7848222951588125844 i	[2,4]
20	- 0.31321276984390693937- 1.4164937709128959559 i	[5,8]
21	- 0.16317403179613920351- 0.75122713827439359118 i	[6,7]
22	- 0.44715036924264843801- 2.9749821463970288405 i	[3,8]
23	- 0.095033664971169196214- 0.65269720207733679533 i	[4,6]
24	- 0.17196400420374093412- 1.4981509009880373595 i	[7,8]
25	- 0.025397638329163276184- 0.76091208021472593356 i	[3,6]
26	0.41778167361270217369- 2.4204890940497032971 i	[7,8]
27	0.12745407806652490733- 0.59026424501054551388 i	[6,8]
28	0.053262514037989607076- 0.24195001115332401571 i	[7,10]
29	0.22984068263406310063- 0.82301495252029817723 i	[5,8]
30	0.12821672058400579083- 0.23253082041552858148 i	[9,10]
31	0.44716417401346535422- 0.78500244314825521263 i	[4,9]
32	0.42112207414918867227- 0.73509983911966929844 i	[6,9]
33	0.41256694262918386997- 0.57898518471254143447 i	[6,8]
34	0.44322213301227816900- 0.61418430392368826706 i	[1,2]
35	0.50315345121746961365- 0.65450365208787258467 i	[3,6]
36	0.56362659011880976409- 0.69426006342090263706 i	[5,6]
37	0.54969954139225478063- 0.58231106912151883216 i	[2,3]
38	0.61593993891915262689- 0.51630557080038332944 i	[8,9]
39	0.92201954952270509005- 0.67450101619610529747 i	[1,2]
40	0.47324131139177044278- 0.27974073459838238748 i	[4,7]
41	0.84765924339968259112- 0.38396743090474624206 i	[7,8]
42	0.95696227252014379396- 0.43100956038458983548 i	[2,3]
43	0.82334829013796792652- 0.35791031833198933843 i	[2,8]
44	0.88178307328612712531- 0.20463520386730635418 i	[6,8]
45	0.31890263827408067733- 0.063597309120627061837 i	[6,8]

index	value	permutation	
46	0.85245385029133581865-	0.16916269343399143526 i	[1,4]
47	1.2352390847593222102-	0.24371491840881212710 i	[5,8]
48	1.0252168789089823733-	0.045634780017272652934 i	[2,4]
49	1.0975078847485098347+	0.089685777354977234444 i	[7,9]
50	0.99171705899946993102+	0.12869703383256464766 i	[6,9]
51	0.57258952018098389858+	0.19024784711402342152 i	[2,4]
52	0.73363060337791206391+	0.44561002273391401571 i	[4,6]
53	0.87747254771879632680+	0.62696174862461012022 i	[3,5]
54	0.83453435328774325657+	0.65417566869447410695 i	[4,6]
55	0.81757801723837079625+	0.64847242021644255091 i	[3,4]
56	0.79981802128203610137+	0.64409049425860126162 i	[4,9]
57	0.60155443582401758911+	0.58380906283498185200 i	[3,6]
58	0.77375807629284438622+	0.75431929271212136480 i	[8,9]
59	0.72087268102041926856+	0.82086307300662536601 i	[2,3]
60	0.57142051094620394258+	0.68127943377125859166 i	[4,7]
61	0.31344480450271483932+	0.71121263362569951207 i	[1,3]
62	0.59347570368449357002+	2.2950064918792670495 i	[8,9]
63	0.25503599105858020162+	1.0618137978431092788 i	[8,9]
64	0.18569212566958896381+	1.0533665886015937899 i	[7,8]
65	0.16968140917948033343+	1.1775457315165753441 i	[2,8]
66	0.11440264818493558362+	0.80559751938781830176 i	[5,6]
67	0.14986267480238213752+	1.0932631782898202680 i	[2,4]
68	0.037587952216232340702+	0.92691528949750899237 i	[6,8]
69	0.0086255710932490054433+	0.90760664452738530111 i	[3,5]
60	0.011322023145466850648+	1.2644263812435269784 i	[1,6]
71	- 0.086568601446115492987+	0.85398896450988198884 i	[1,2]
72	- 0.21533183300631721493+	1.2200656464319020494 i	[3,6]
73	- 0.38004246062759102622+	1.8922906374829422669 i	[7,10]
74	- 0.41333739012789056518+	1.4722632923633027535 i	[3,6]
75	- 0.085857565592707506458+	0.19616573118241119562 i	[8,9]
76	- 0.45749551164745414689+	0.89714698399918819118 i	[7,9]
77	- 0.74159880309643566689+	1.2380236470988334220 i	[2,3]
78	- 0.54874891558597908650+	0.83736478657702966766 i	[2,9]
79	- 0.72906426133185947666+	0.80301165094085561155 i	[2,4]
80	- 0.43140342532940103327+	0.44829659781024512224 i	[2,4]
81	- 0.66696019159277500874+	0.66762939349204409134 i	[5,10]
82	- 0.60220416510543906016+	0.58909230837996802088 i	[8,9]
83	- 0.87891247339593242387+	0.71741736147952844821 i	[5,8]
84	- 0.80358699681100790984+	0.65440589056381149415 i	[3,6]
85	- 0.92860864032587549069+	0.51441994873058162779 i	[2,3]
86	- 1.0223894257840662470+	0.51640082422857110526 i	[1,3]
87	- 0.71370616377764537791+	0.27152888425189734570 i	[5,6]
88	- 1.1735827245007817704+	0.32715774145696475001 i	[1,4]
89	- 0.92273298519148165763+	0.25031163306268035526 i	[7,9]
90	- 1.0953672446969035009+	0.28286798577651726631 i	[2,7]

Example 7 (degree 10) : $F(x, y) = (17 + 98i)x^4y^3 - (95 - 72i)x^4y^2 + (34 + 15i)xy^6 - (93 - 88i)x^3y^7 + (58 - 59i)x^7y - (79 - 72i)x^4y^5 + (45 - 27i)x^5y^4 - (1 + 5i)x^2y + (78 - 18i)x^4y^4 - (77 - 7i)x^3y^5 - (52 - 64i)x^5y^5 + (85 - 47i)x^6y - (78 - 38i)x^2y^8 - (63 + i)x^5y^3 + (9 - 72i)x^5y^2 + (26 + 34i)x^7y^3 - (35 + 28i)x^6y^4 - (60 + 45i)x^9y + (87 - 21i)x^2y^5 + (24 + 4i)x^6y^3 + (41 - 81i)x^8y + (92 + 12i)x^4y^6 + (32 + 35i)x^7y^2 + (62 - 68i)x^8y^2 + (83 - 32i)x^6y^2 - (4 - 12i)x^3y^4 + (67 - 99i)x^2y^3 - (52 + 72i)x^5y - (77 - 83i)xy^3 - (3 - 71i)xy^4 - (37 - 62i)xy^7 + (37 - 26i)x^3y^6 - (21 + 35i)x^4y - (47 - 40i)x^3y^3 + (33 - 47i)x^3y + (65 + 43i)x^2y^6 + (57 - 88i)x^2y^7 + (97 - 85i)x^3y^2 - (91 - 10i)xy^9 + (73 - 16i)x^2y^2 - (85 + 24i)x^2y^4 + (26 + 38i)xy^8 + (55 - 74i)xy^5 + (22 - 88i)xy^2 + (24 + 17i)xy - (76 + 12i)x^{10} + (75 - 82i)x^9 + (18 + 45i)x^8 + (81 + 95i)x^7 - (57 - 59i)x^6 - (71 - 63i)x^5 - (78 + 85i)x^4 - (50 + 71i)x^3 + (33 + 25i)x^2 + (29 + 50i)x - (42 - 77i)y^{10} - (71 - 17i)y^9 - (99 - i)y^8 - (98 - 25i)y^7 + (10 + 83i)y^6 + (90 - 10i)y^5 - (51 - 19i)y^4 + (14 - 78i)y^3 - (42 - 42i)y^2 + (53 - 39i)y + 32 - 63i$

Base point : 0.0

Initial fiber :

-1.0912025083609677123 - 0.68325992458282315845 i
-1.0749454294646371057 + 0.47310466118751294603 i
-0.54392217683605389676 + 0.091280792383171106961 i
-0.38705735024435902878 - 0.86900604453946134368 i
-0.33578221255687856789 + 1.0237729913148507648 i
0.090651494223271565960 + 0.87078662761697137718 i
0.53453756665000702480 - 0.63596169231155058181 i
0.65553361652234393901 - 1.4359419926285976288 i
0.71230199884635233811 + 0.59669052311770705863 i
0.88210520140290506507 - 0.049300336462239139460 i

Permutations (critical points are ordered by increasing arguments) :

index	value	permutation
1	1.1351141215387621056- 0.084340411261905307372 i	[7,8]
2	- 0.99359209694589907715- 0.082137924112703644930 i	[3,5]
3	- 0.94372003912725126605- 0.21458658686619922574 i	[9,10]
4	- 0.64191002597663161061- 0.26920026713332337738 i	[2,5]
5	- 0.79426187654730135956- 0.46582154815703155843 i	[7,10]
6	- 0.72346474809135524485- 0.4612970121384299969 i	[1,3]
7	- 0.66408513626990315523- 0.46941510593384989945 i	[3,7]
8	- 0.65407405948514164350- 0.49891295630222084367 i	[4,7]
9	- 0.63048501401520372055- 0.5979759316002292968 i	[3,6]
10	- 0.51811575676458583738- 0.59516646103063209544 i	[6,9]
11	- 0.56557389507844287268- 0.66056042136651693866 i	[3,5]
12	- 0.62951281984391972241- 1.1806053880227518247 i	[1,4]
13	- 0.51279999731354217249- 1.0333176614379425806 i	[1,3]
14	- 0.27668496183553465702- 0.58421729104788859000 i	[7,8]
15	- 0.77268640428870646253- 1.7535113869770442822 i	[8,10]
16	- 0.34887793665587164746- 1.1951538968714554783 i	[3,9]
17	- 0.45047480550399765997- 1.6753756219213042902 i	[7,10]
18	- 0.18128586018572538394- 0.85228532886173354104 i	[9,10]
19	- 0.45957749996284154935- 2.2631440865934975713 i	[9,10]
20	- 0.065427871419978122123- 0.61316162084761950643 i	[1,2]
21	0.021002383073516899453- 1.7852564059781578106 i	[3,6]
22	0.070786152648632371339- 1.7352122781414343294 i	[3,5]
23	0.092053864006466980738- 0.61444248957221849459 i	[2,3]
24	0.18870556479395168925- 0.95726388983672762450 i	[7,10]
25	0.32381431703906256593- 1.5961890708922340165 i	[6,7]
26	0.26173330816277496231- 1.2868503847151683450 i	[3,4]
27	0.26974641218158166491- 1.2550107139225993271 i	[3,7]
28	0.20957116352158949772- 0.79174826201075858515 i	[2,5]
29	0.37470484458047611000- 1.3998845836647755710 i	[3,5]
30	0.33436669507341780902- 1.0523190192142147037 i	[7,8]
31	1.1671047471672286144- 1.1797842089844138018 i	[6,9]
32	0.82523310219317362710- 0.75622957160171216724 i	[3,8]
33	0.79931630662123602265- 0.68747597307259747492 i	[4,8]
34	1.1257475404132426131- 0.96636066810757637755 i	[3,7]
35	0.65352309772257128163- 0.55780848568215102819 i	[4,8]
36	0.78782449338940746936- 0.54439497603048436721 i	[3,5]
37	1.8954613893880542075- 1.2806381005381741881 i	[5,10]
38	0.99562873288618693576- 0.57692675178216268858 i	[1,8]
39	0.87336622773939676281- 0.49451703898699818279 i	[5,9]
40	0.82746563970715376704- 0.43323467030284596266 i	[9,10]
41	0.80154905537118491510- 0.37228689326133504154 i	[7,10]
42	0.84802776081160010809- 0.23100682777290403035 i	[2,3]
43	0.73691063900335563670- 0.19246338662003051279 i	[4,7]
44	1.6885344515736831785- 0.23082134671889750045 i	[4,5]
45	0.74781096971217347767- 0.080503436391872694404 i	[3,4]

index	value	permutation
46	0.96678435750107020453- 0.10096241070226861580 i	[5,6]
47	0.98578370647881255870- 0.049542672760504120425 i	[1,4]
48	0.72924712570921558060+ 0.042314882453639276465 i	[3,5]
49	1.7953970177197629548+ 0.10523860115188731007 i	[2,5]
50	0.73810250826320719264+ 0.048386446345583897635 i	[2,3]
51	0.26700799834990527094+ 0.043602254924007942708 i	[5,6]
52	0.88520999519249860785+ 0.32671748447288734773 i	[6,9]
53	0.95681739187802478883+ 0.35599770725719071930 i	[9,10]
54	0.99497945192547246872+ 0.49902276680164837770 i	[7,10]
55	1.1304514655540505873+ 0.88623756637135618495 i	[4,7]
56	0.57512673148592012057+ 0.49668890693191127882 i	[5,6]
57	1.0343573006407991260+ 1.2589360236122016036 i	[7,8]
58	0.37226969513262809080+ 0.47792664373961120520 i	[3,4]
59	0.23436370373748888585+ 0.48736451745824762951 i	[3,6]
60	0.23014188498100171106+ 0.48050416435938279197 i	[1,4]
61	0.23203484492496792094+ 0.51181588645587789369 i	[6,10]
62	0.23189281097335928632+ 0.51758057150911292170 i	[6,9]
63	0.23327029313352021490+ 0.54423587775623249960 i	[7,10]
64	0.061632532401833575653+ 0.91183711160627873004 i	[1,2]
65	- 0.027075688227236370496+ 1.1340437379546530386 i	[4,7]
66	- 0.024191523893135773512+ 0.93787068161017757770 i	[2,3]
67	- 0.048395032237437640184+ 1.5394686946541686940 i	[7,8]
68	- 0.034229291777489659675+ 0.70896084895610335962 i	[5,6]
69	- 0.069606121635739638294+ 1.0921581632234618127 i	[3,4]
70	- 0.098930578091862703718+ 0.89696190645492806937 i	[3,6]
71	- 0.18101873915753261008+ 1.0264748837511710309 i	[6,10]
72	- 0.11522104702219925801+ 0.64522033584261800309 i	[2,3]
73	- 0.26335529566058662717+ 1.0493762323489620191 i	[6,9]
74	- 0.31302004250554838540+ 1.0514775236422313183 i	[5,6]
75	- 0.43710687854865905360+ 1.4548439714735289365 i	[7,10]
76	- 1.5231150683814365295+ 2.2396841266819746710 i	[6,9]
77	- 0.64845366795152580867+ 0.66606528577189778818 i	[3,4]
78	- 0.81460997769010597230+ 0.78731007784068735436 i	[5,9]
79	- 0.74359087291290904188+ 0.70473889153605197076 i	[3,7]
80	- 0.79840012043277063681+ 0.74662489786366994780 i	[3,10]
81	- 0.71701585456249822066+ 0.66111908490930867472 i	[3,9]
82	- 0.68360733937235116135+ 0.62096203222196750698 i	[1,4]
83	- 0.72952323578484652314+ 0.38145381939693633886 i	[6,9]
84	- 0.94764144296230491856+ 0.36935465155259162048 i	[7,8]
85	- 0.99128823754422545862+ 0.32345782139318861715 i	[7,10]
86	- 1.0737436072371028493+ 0.27640013494261906695 i	[1,3]
87	- 1.0383018818636944131+ 0.22074903639211568289 i	[3,4]
88	- 0.86096807370758167954+ 0.15772184625509347042 i	[6,9]
89	- 0.94654976131027258252+ 0.13711030883864250141 i	[3,7]
90	- 0.91840960615940572736+ 0.12163366068094366097 i	[3,9]