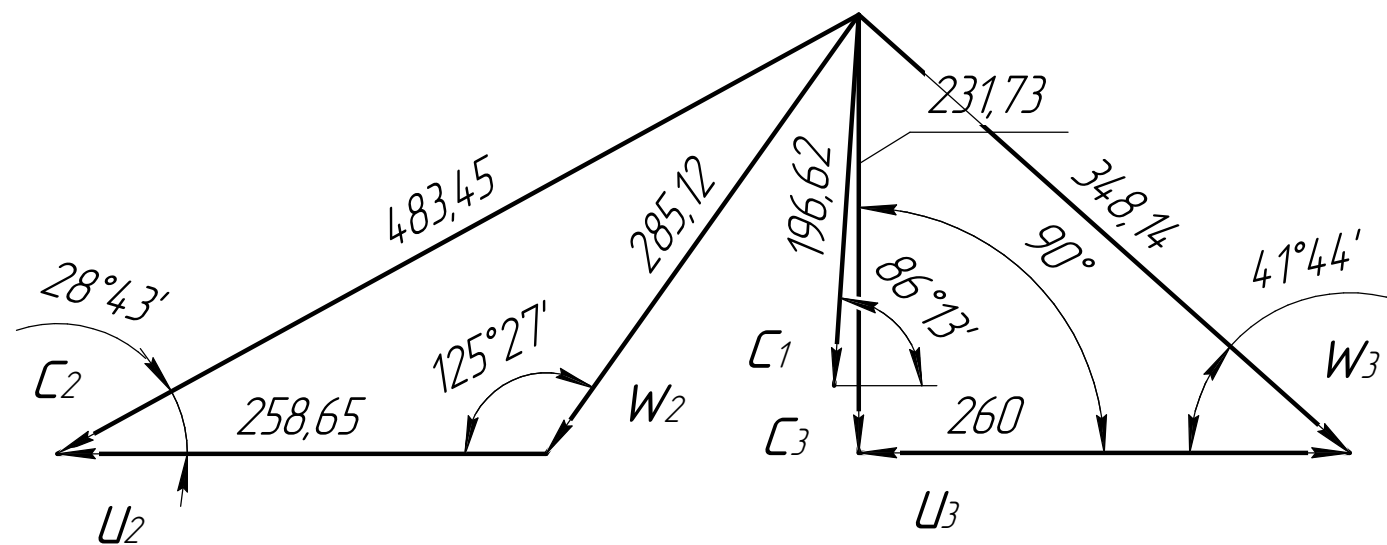
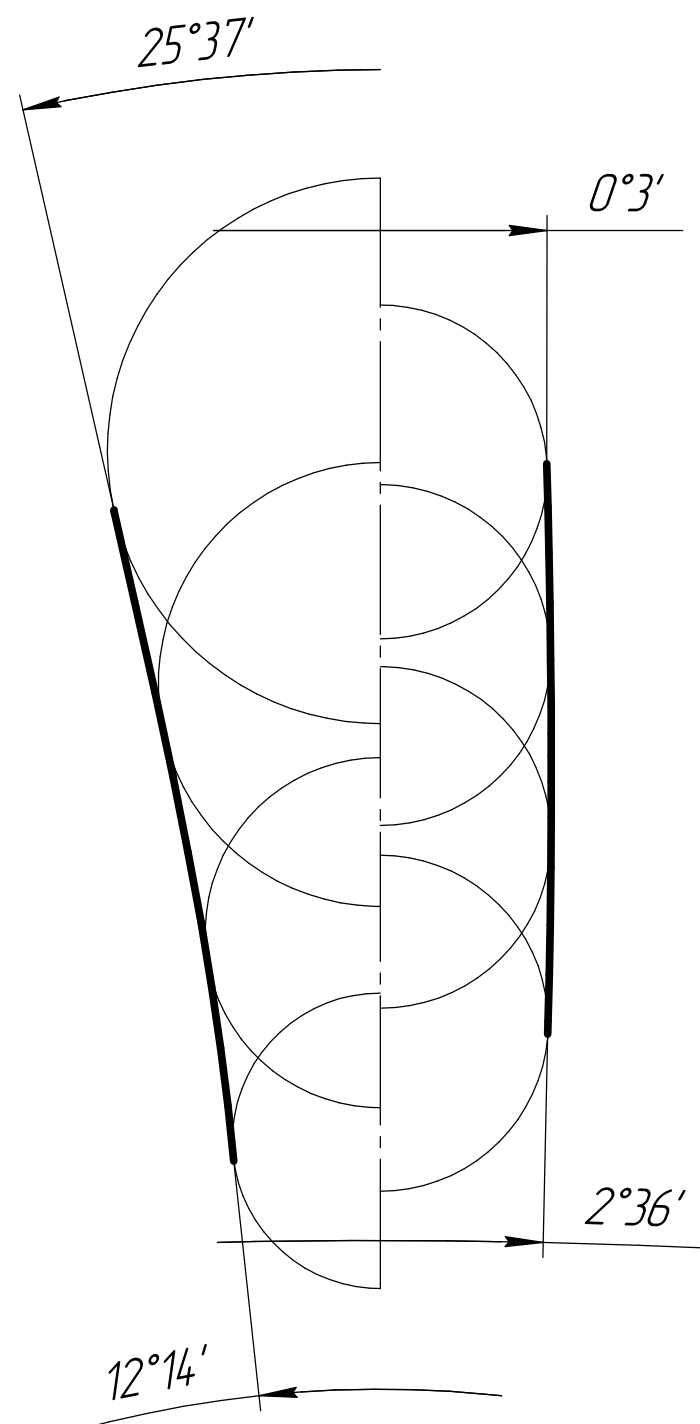
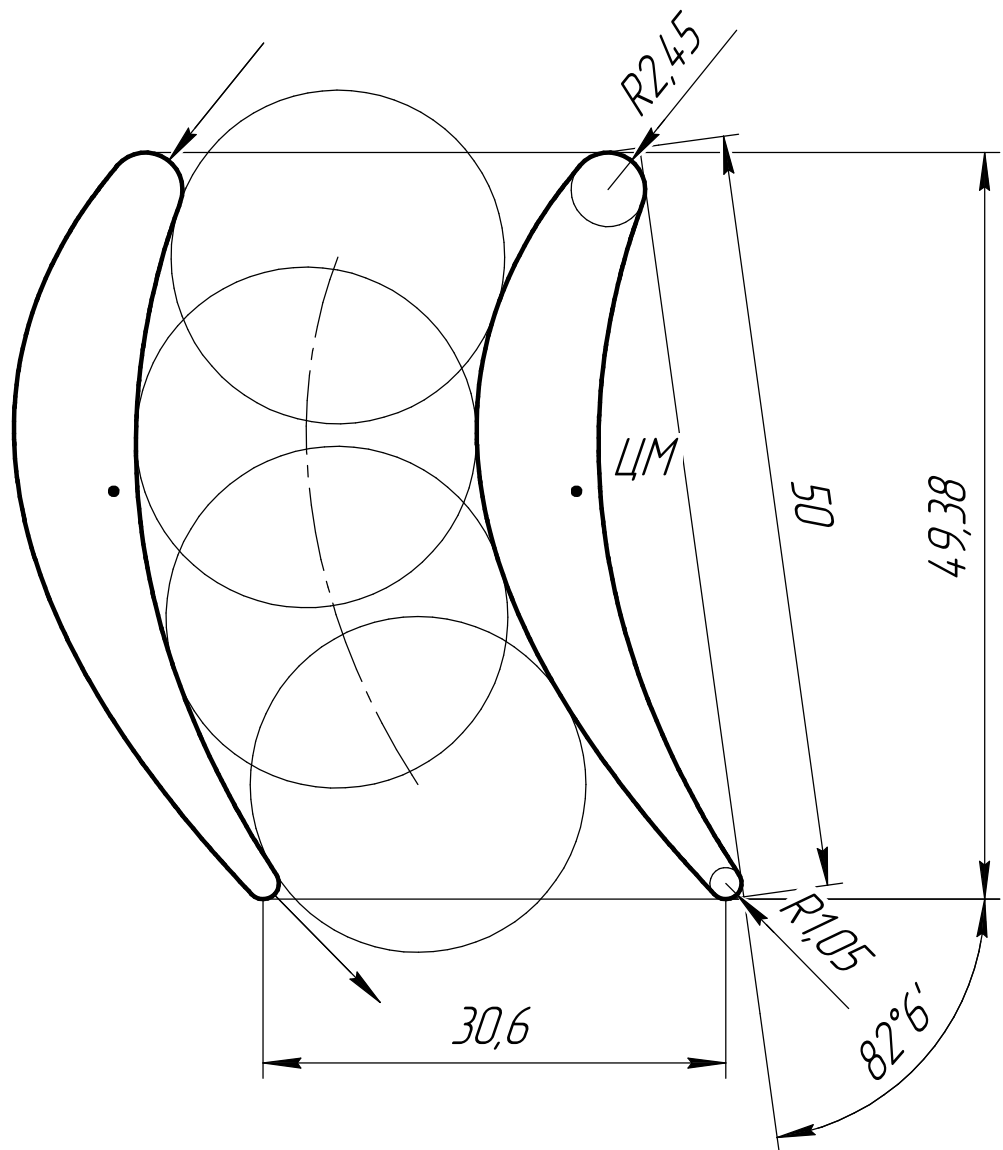
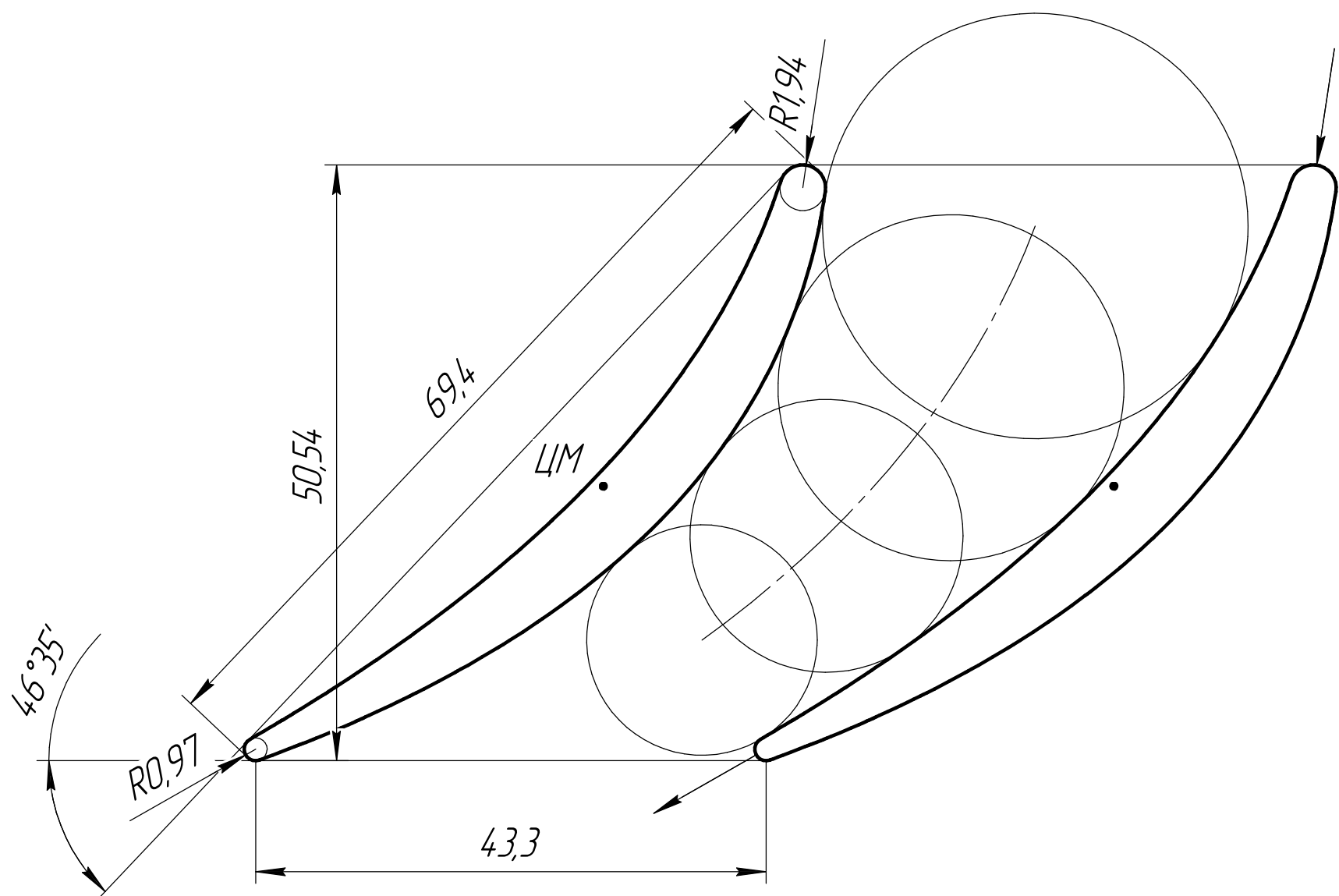
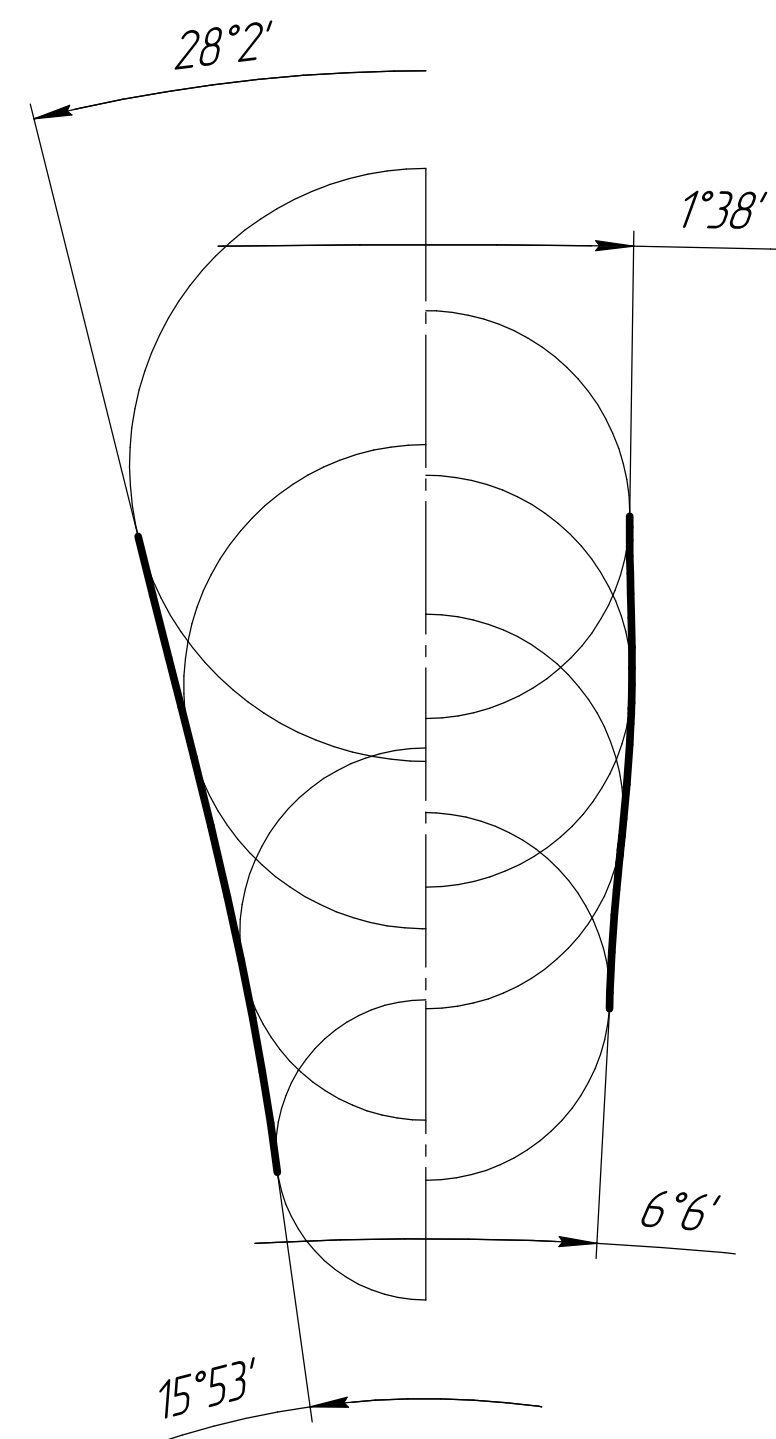
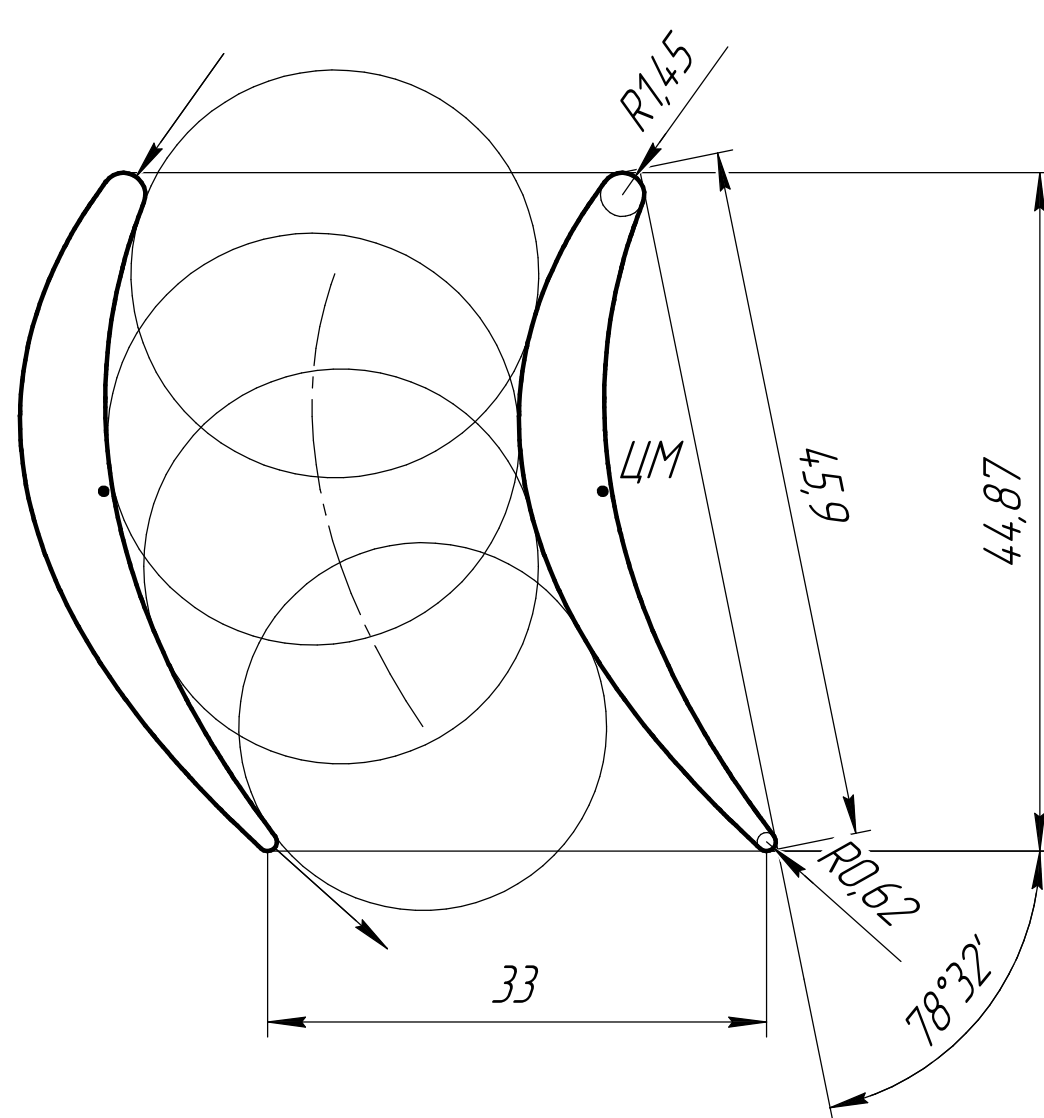
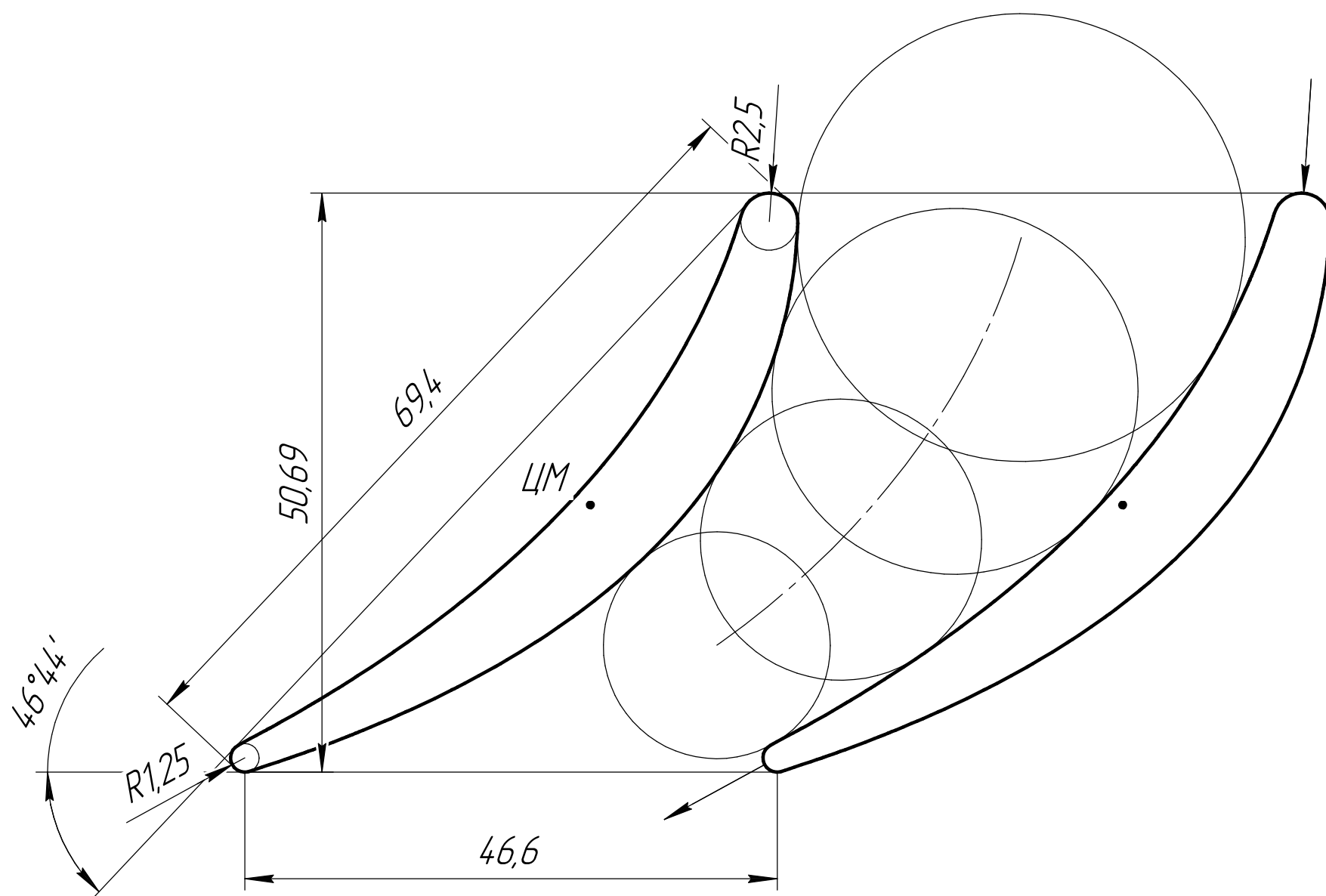


Корневое сечение
RL=0.1037

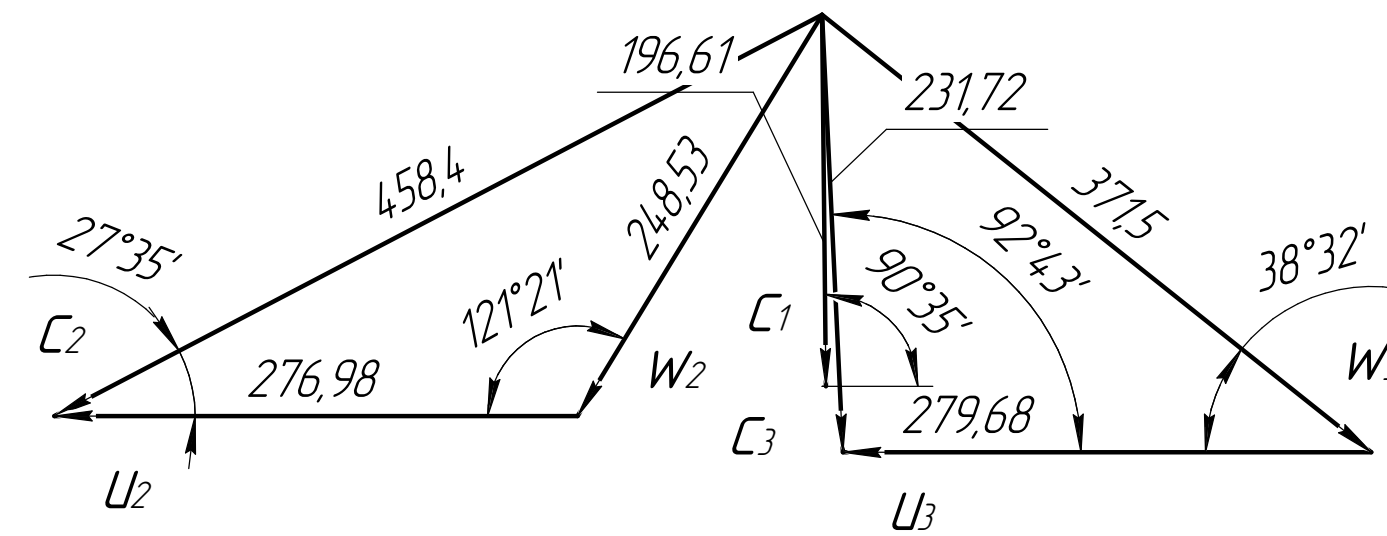


Среднее сечение
RL=0.1829

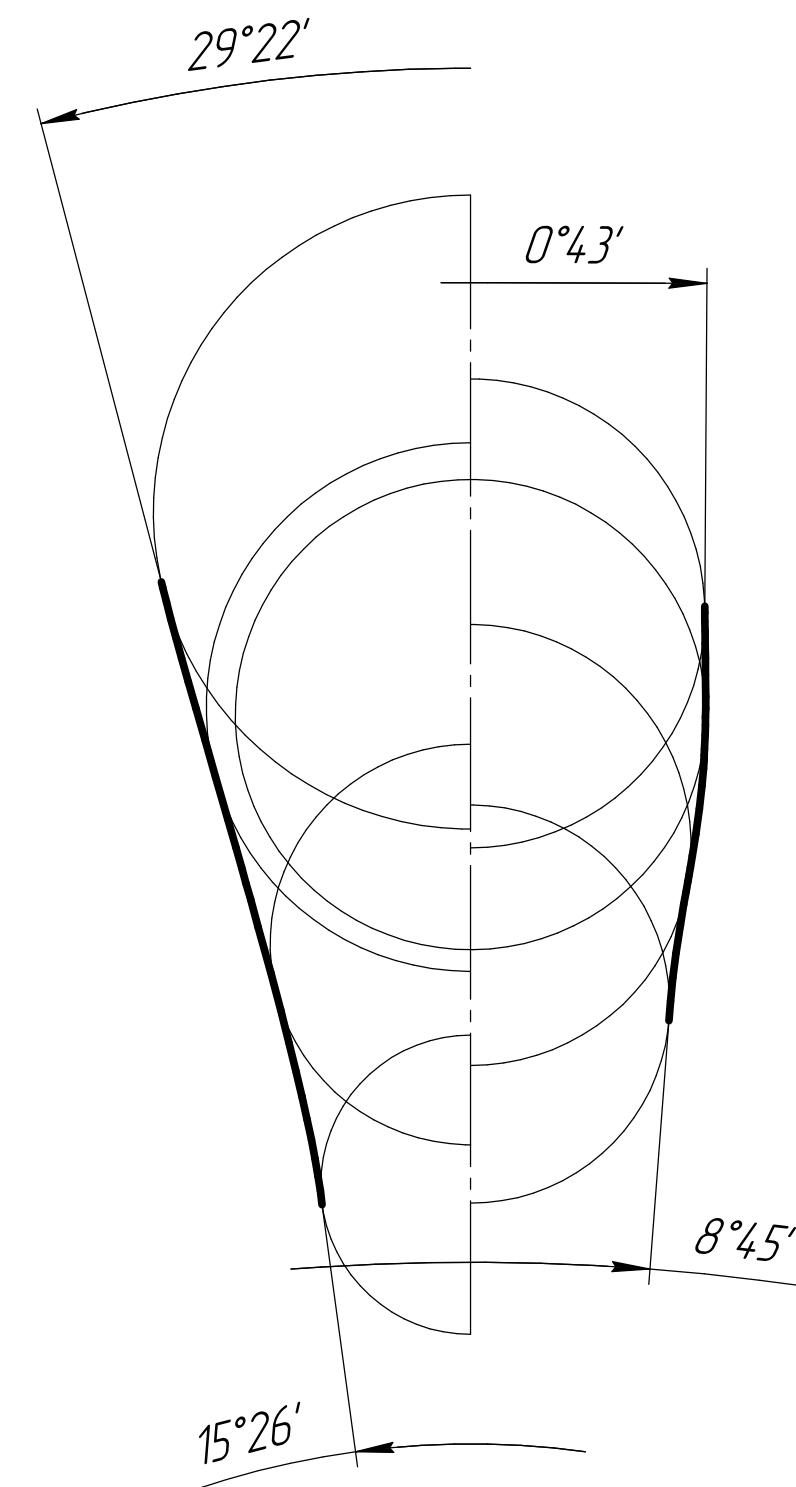
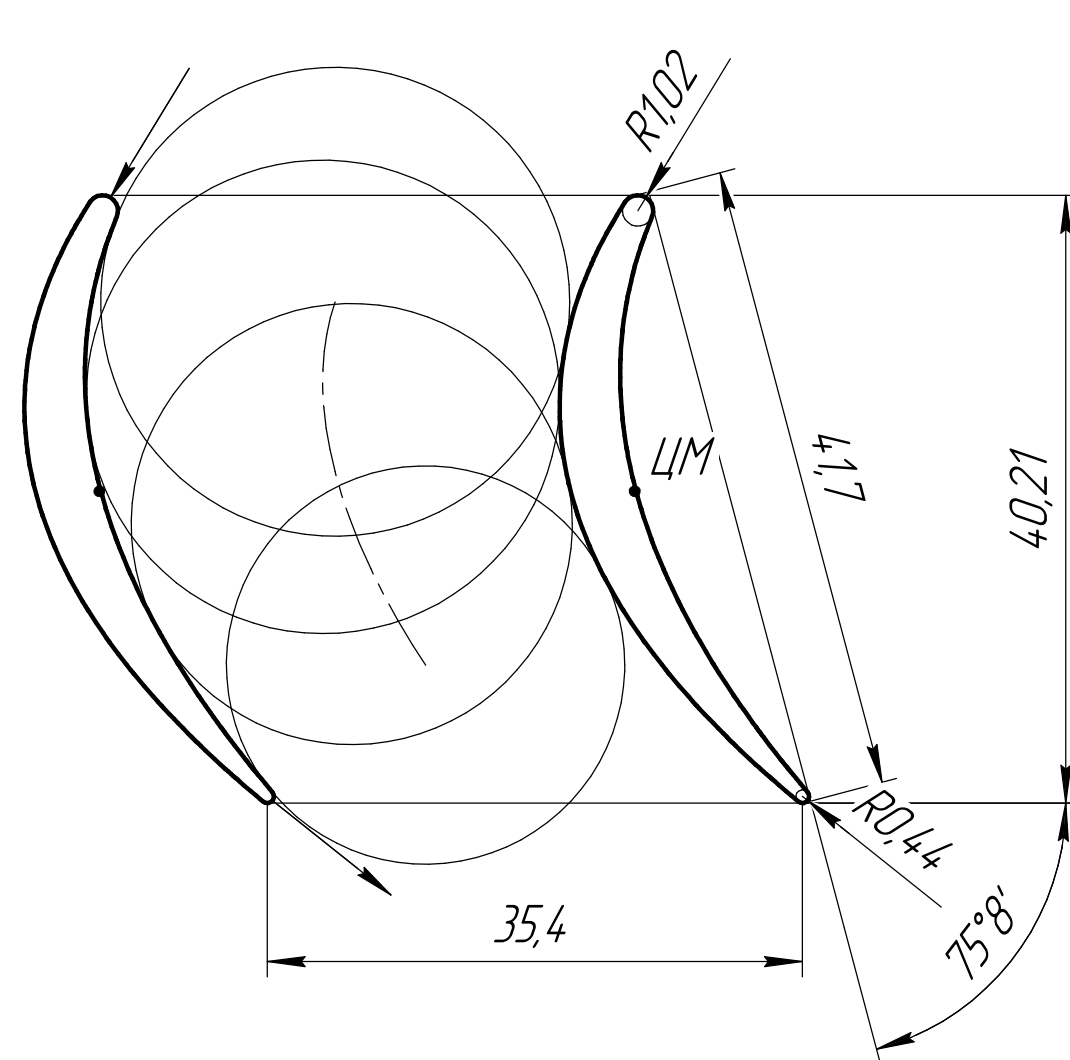
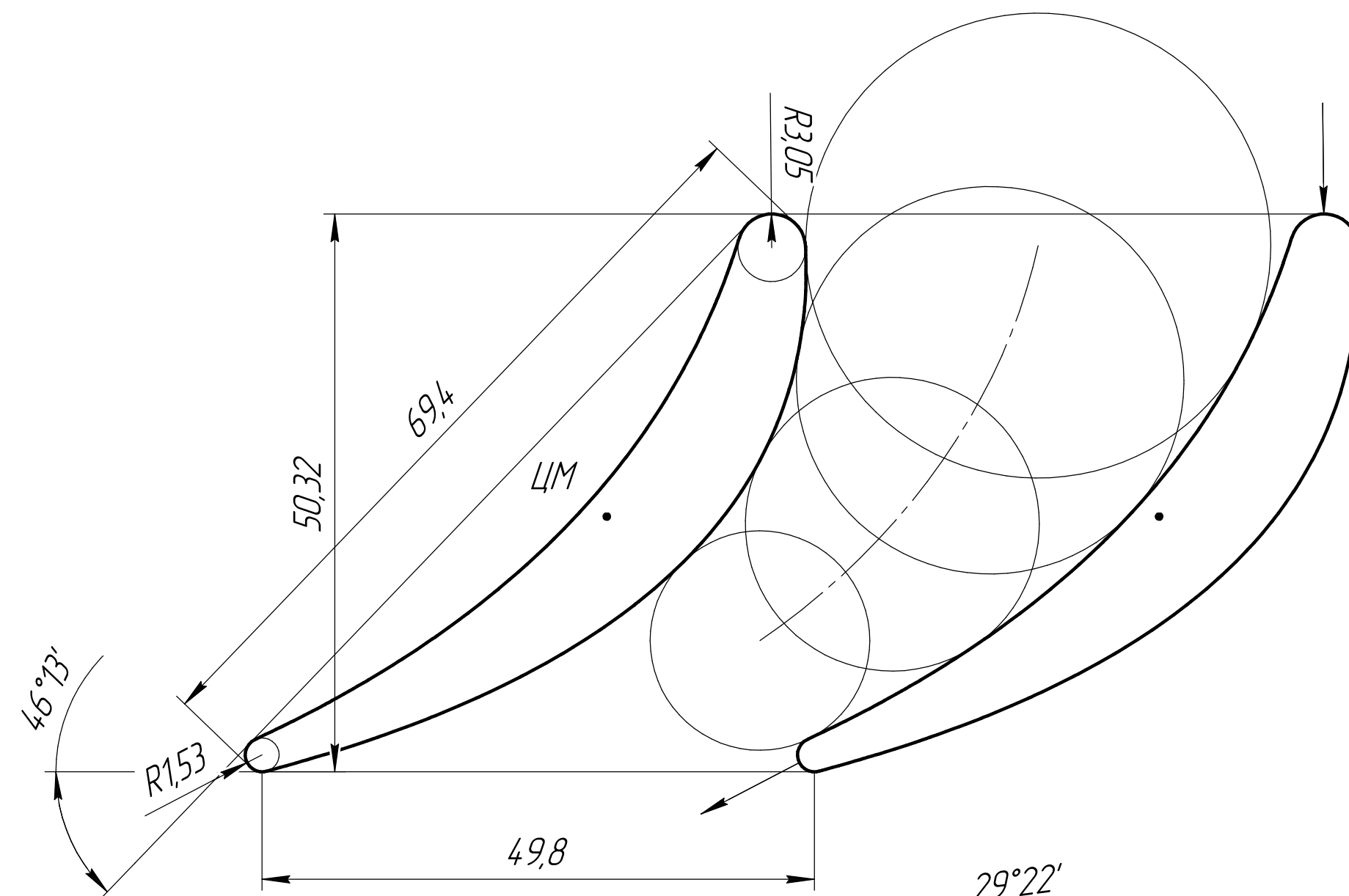


Радиусы проточной части (мм)

корневое сечение	422.0	433.0	433.0
среднее сечение	453.2	466.0	468.5
периферийное сечение	484.5	499.1	503.9



Периферийное сечение
RL=0.2505



Количество лопаток:

Статора: 62
Ротора: 89

						АД-8			
Изм.	Лист	№ докум.	Подп.	Дата	Профили лопаток 4 ступени ТНД	Лит.	Масса	Масштаб	
								2:1	
						Лист	1	Листов	2
Н.Контр.					ЖС-36	МГТУ им. Н.Э.Баумана			

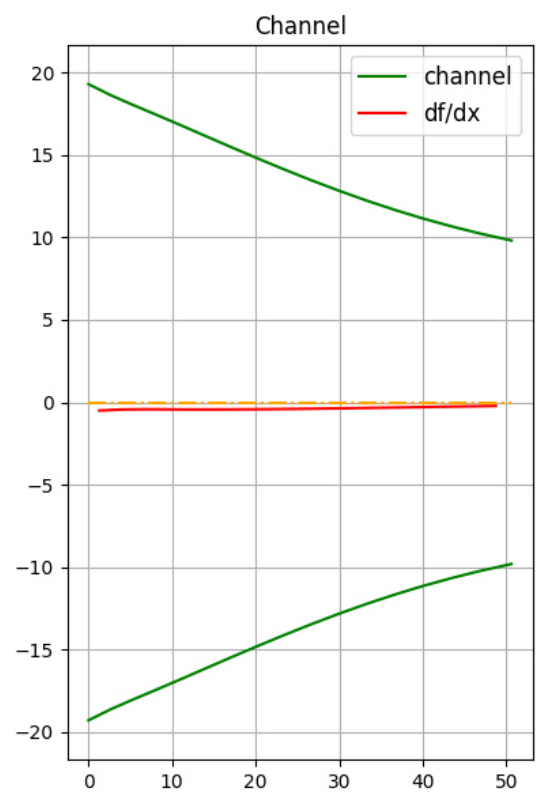
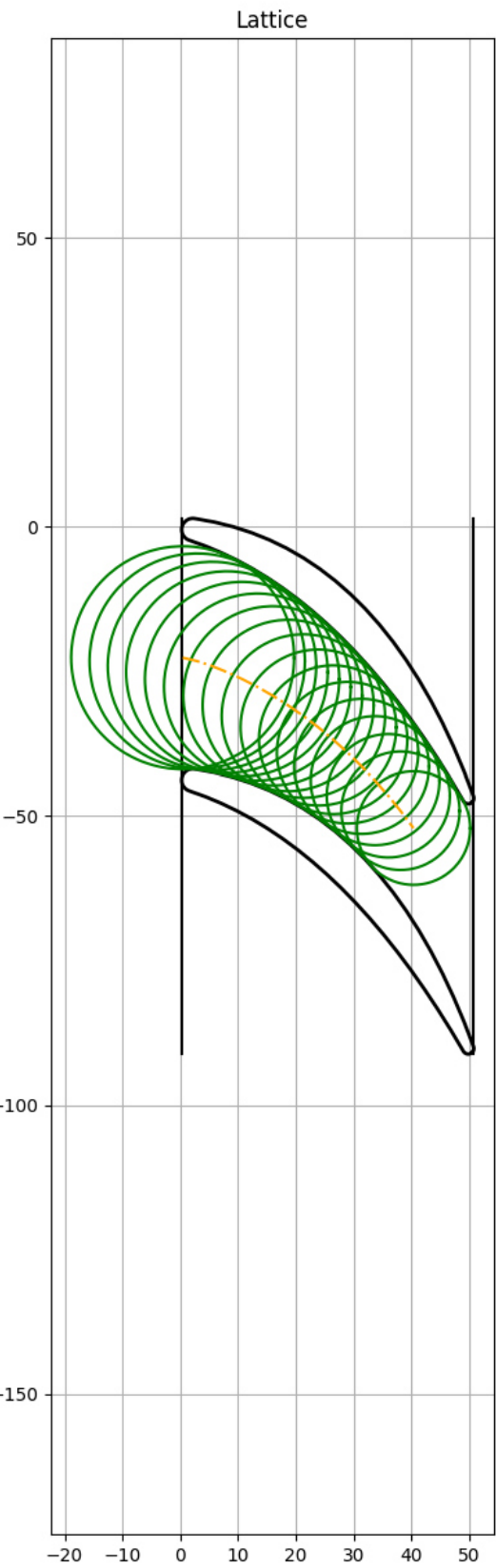
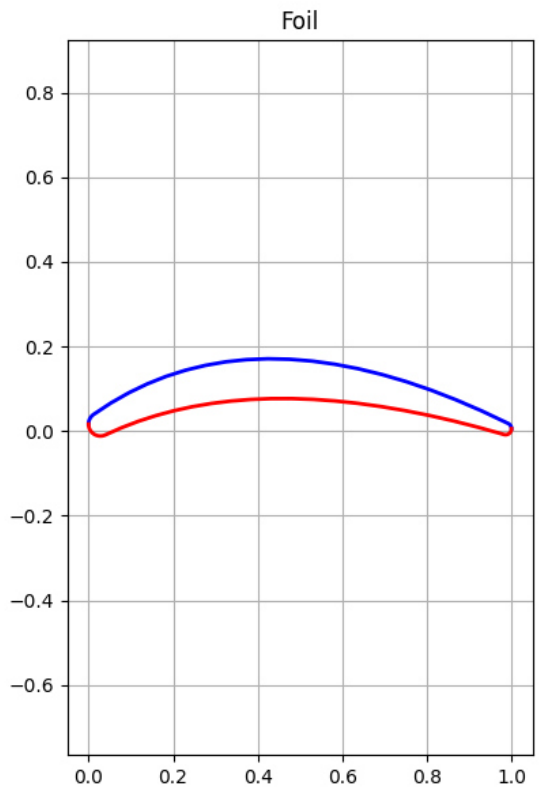
stator_1

Initial data

- method = BMSTU
- discreteness = 20
- chord = 69.4
- installation_angle = 0.76096
- step = 43.30000
- start_point = (0.00000, 0.00000)
- rotation_angle = 0.90268
- relative_inlet_radius = 0.02800
- relative_outlet_radius = 0.01400
- inlet_angle = 0.17453
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 0.50000

Properties

- chord = 69.40000
- length_upper = 75.78827
- length_lower = 71.74595
- xf = 26.48304
- f = 3.28541
- xc = 26.48304
- c = 6.57082
- area = 362.93819
- sx = -6328.55596
- sy = 9981.24289
- x0 = 27.50122
- y0 = -17.43701
- jk = 167905.48837
- jy = 335796.01887
- jxy = -230653.80654
- px0 = 57554.41125
- py0 = 61299.66778
- pxy0 = -56610.80034
- jp = 118854.07903
- wp = 3164.48649
- major_angle = -0.76886
- jk_major = -53794.57809
- jy_major = 172648.65712
- stiffness = 25.26276



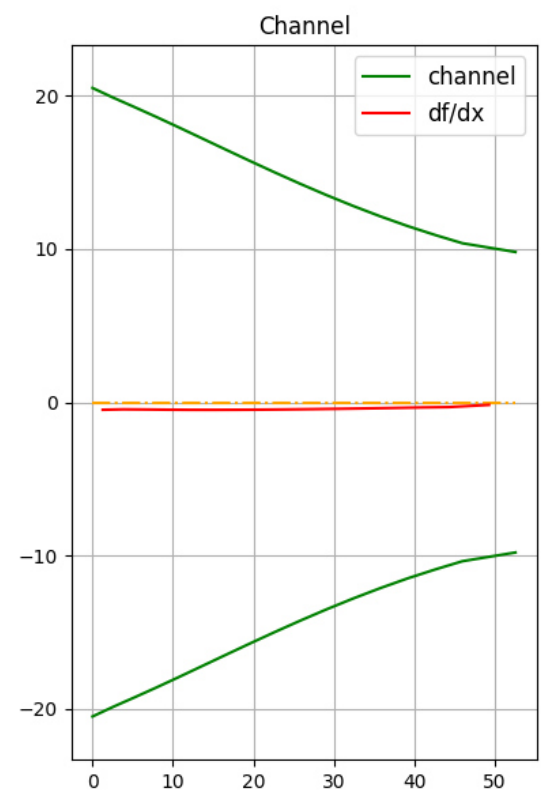
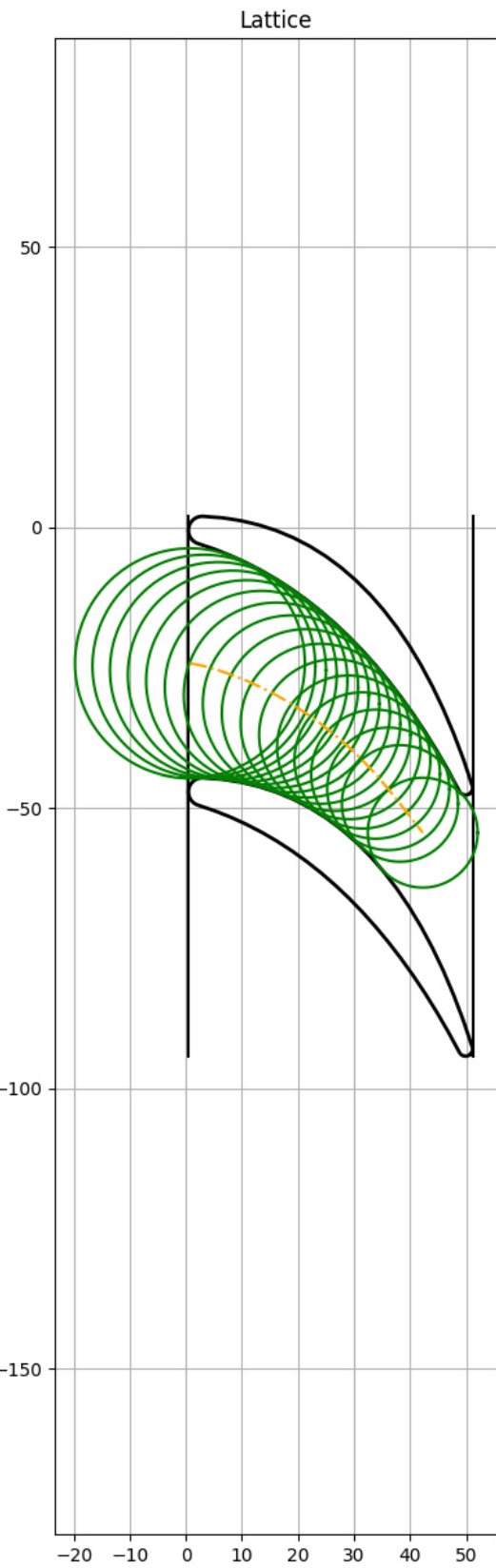
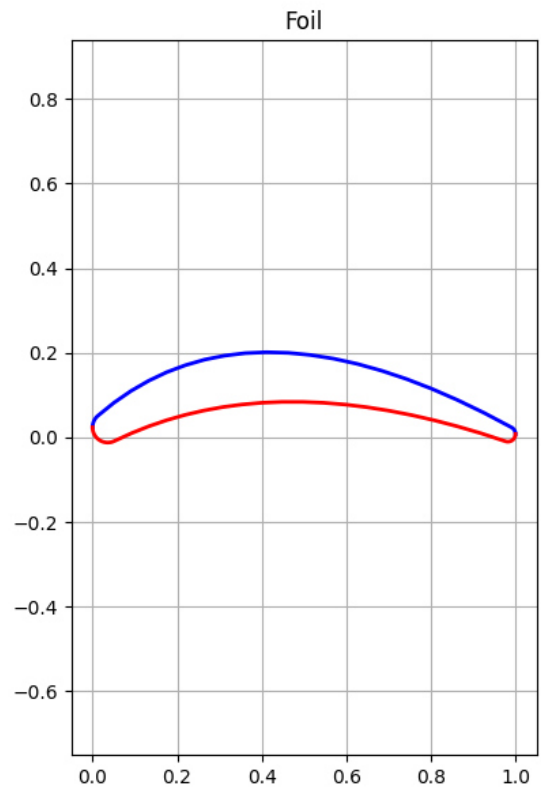
stator_2

Initial data

- method = BMSTU
- discreteness = 20
- chord = 69.4
- installation_angle = 0.75747
- step = 46.60000
- start_point = (0.00000, 0.00000)
- rotation_angle = 1.00287
- relative_inlet_radius = 0.03600
- relative_outlet_radius = 0.01800
- inlet_angle = 0.26180
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 0.50000

Properties

- chord = 69.40000
- length_upper = 79.69384
- length_lower = 72.22466
- xf = 22.40926
- f = 4.19517
- xc = 22.40926
- c = 8.39034
- area = 453.56744
- sx = -7340.05168
- sy = 12588.23623
- x0 = 27.75384
- y0 = -16.18293
- jk = 190992.30067
- jy = 426681.38216
- jxy = -273572.65338
- px0 = 72208.73250
- py0 = 77309.53990
- pxy0 = -69858.06372
- jp = 149518.27241
- wp = 3908.98187
- major_angle = -0.76715
- jk_major = -64957.02222
- jy_major = 214475.29463
- stiffness = 26.56461



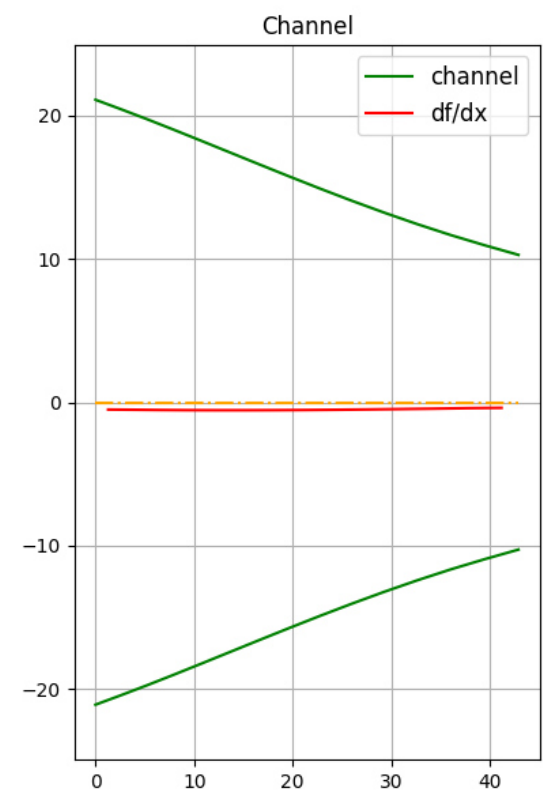
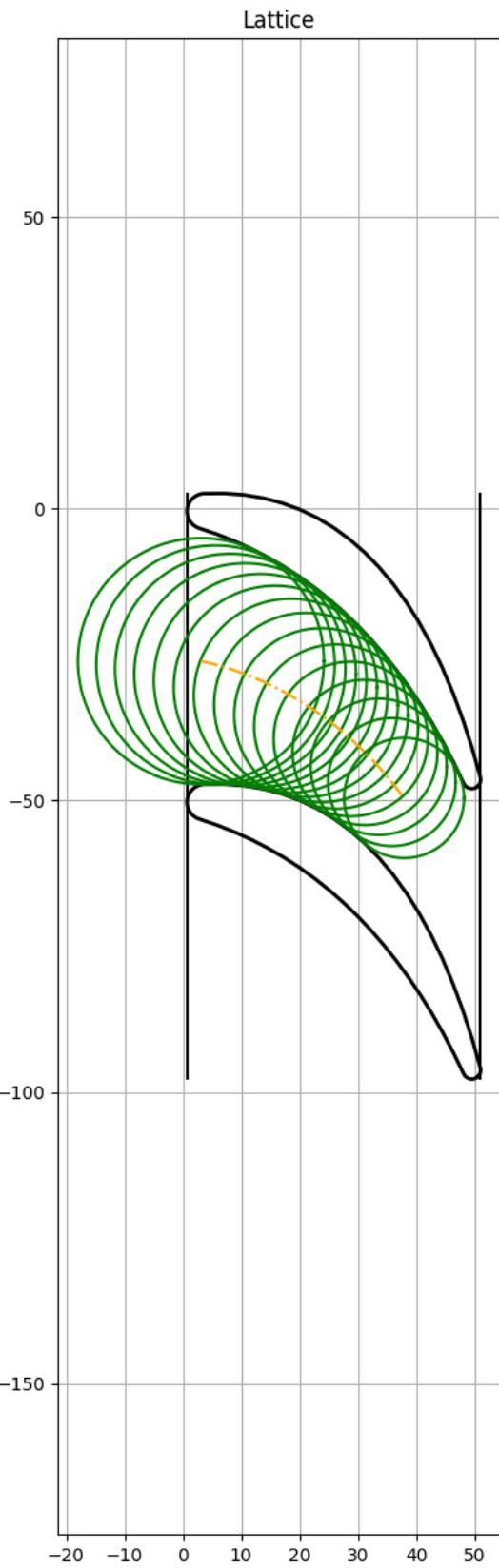
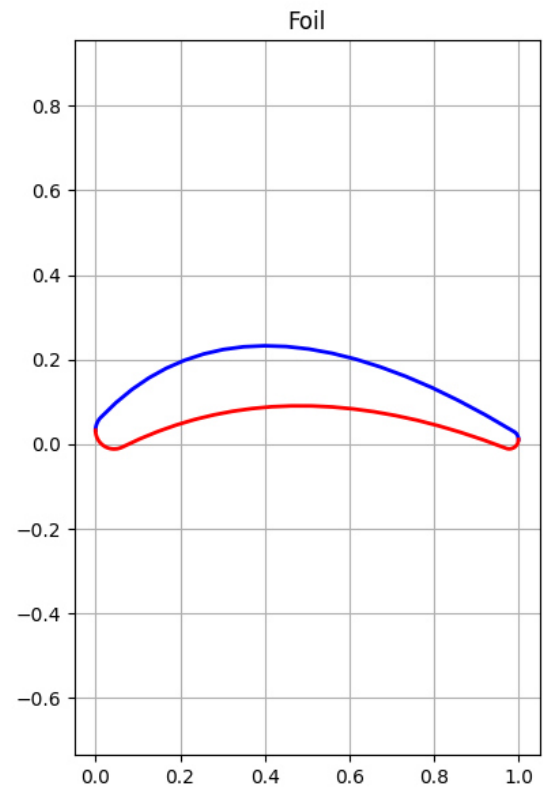
stator_3

Initial data

- method = BMSTU
- discreteness = 20
- chord = 69.4
- installation_angle = 0.76445
- step = 49.80000
- start_point = (0.00000, 0.00000)
- rotation_angle = 1.09467
- relative_inlet_radius = 0.04400
- relative_outlet_radius = 0.02200
- inlet_angle = 0.34907
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 0.50000

Properties

- chord = 69.40000
- length_upper = 80.25809
- length_lower = 72.73753
- xf = 20.11906
- f = 5.20407
- xc = 20.11906
- c = 10.40813
- area = 548.34688
- sx = -8426.42489
- sy = 15358.16861
- x0 = 28.00813
- y0 = -15.36696
- jk = 213153.16707
- jy = 522198.33796
- jxy = -319041.49480
- px0 = 89664.62826
- py0 = 92044.81463
- pxy0 = -83033.12375
- jp = 181709.44289
- wp = 4698.34793
- major_angle = -0.77823
- jk_major = -75211.52694
- jy_major = 256920.96983
- stiffness = 26.75270



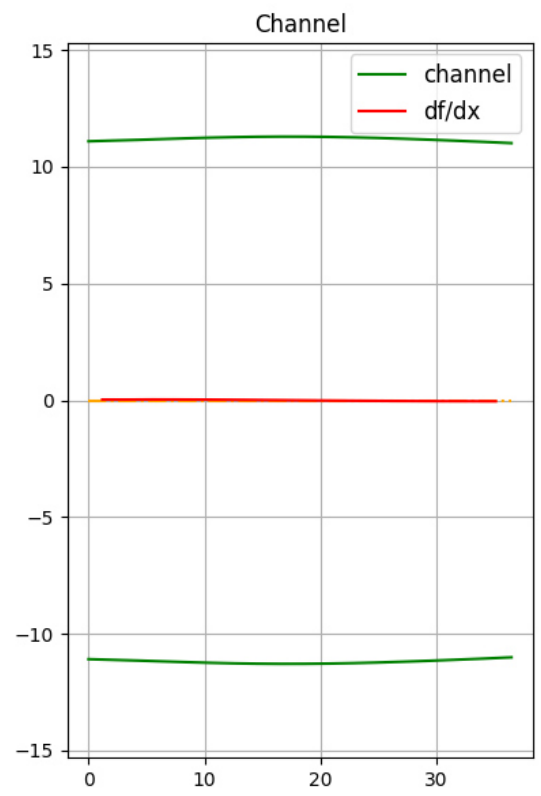
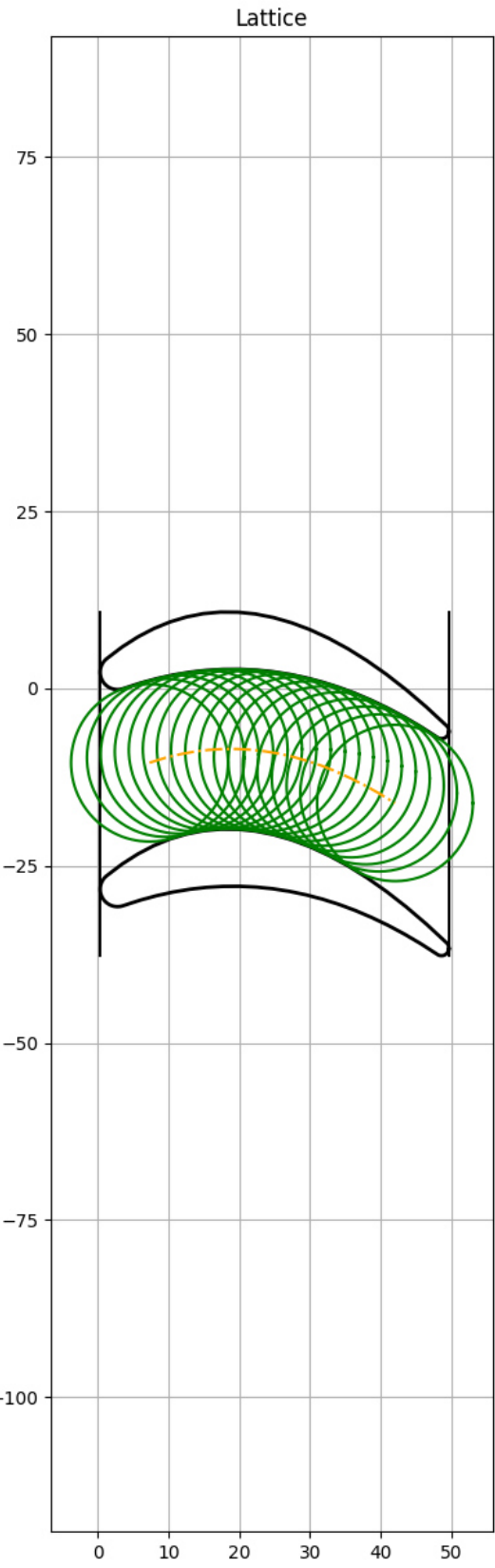
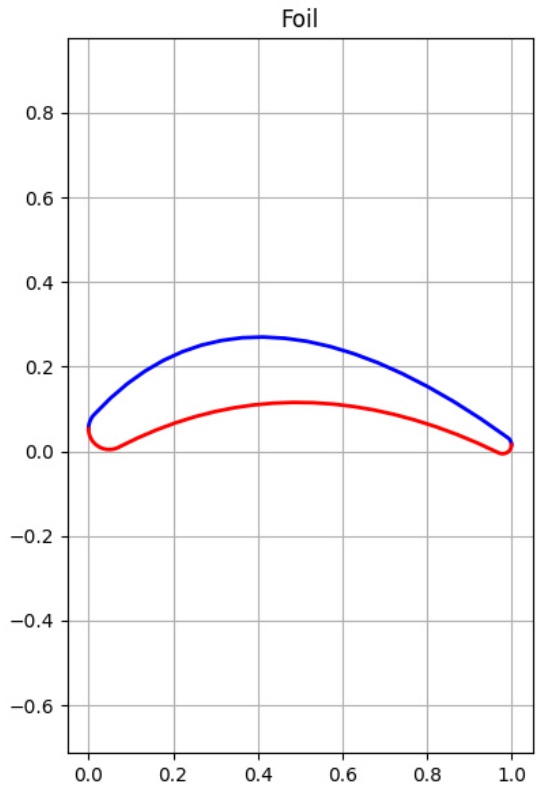
rotor_1

Initial data

- method = BMSTU
- discreteness = 20
- chord = 50.0
- installation_angle = 0.13885
- step = 30.60000
- start_point = (0.00000, 0.00000)
- rotation_angle = 1.45351
- relative_inlet_radius = 0.04900
- relative_outlet_radius = 0.02100
- inlet_angle = 0.34907
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 1

Properties

- chord = 50.00000
- length_upper = 57.37353
- length_lower = 54.22253
- xf = 14.37000
- f = 4.12593
- xc = 14.37000
- c = 8.25186
- area = 307.81352
- sx = 1281.33384
- sy = 7009.40342
- x0 = 22.77159
- y0 = 4.16270
- jk = 9250.31501
- jy = 208277.05780
- jxy = 22066.23189
- px0 = 3916.51295
- py0 = 48661.79617
- pxy0 = -7111.77712
- jp = 52578.30913
- wp = 1830.21924
- major_angle = -0.15389
- jk_major = 658.92118
- jy_major = 51919.38795
- stiffness = 19.12451



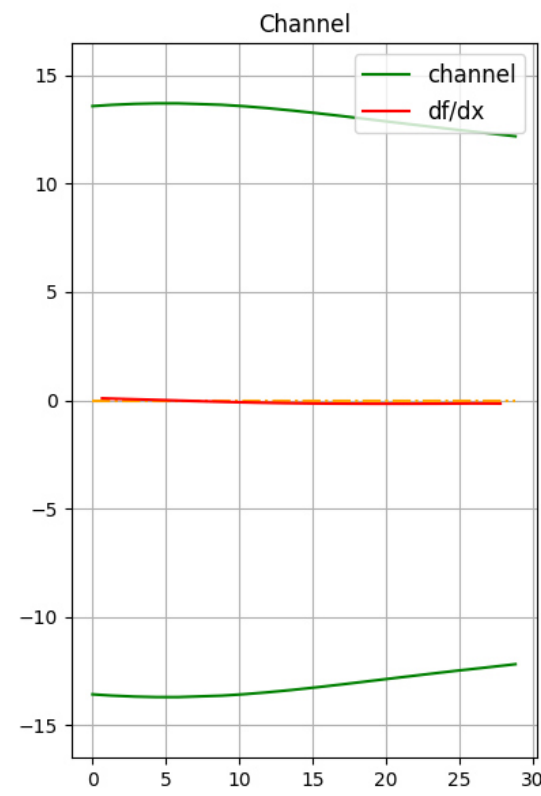
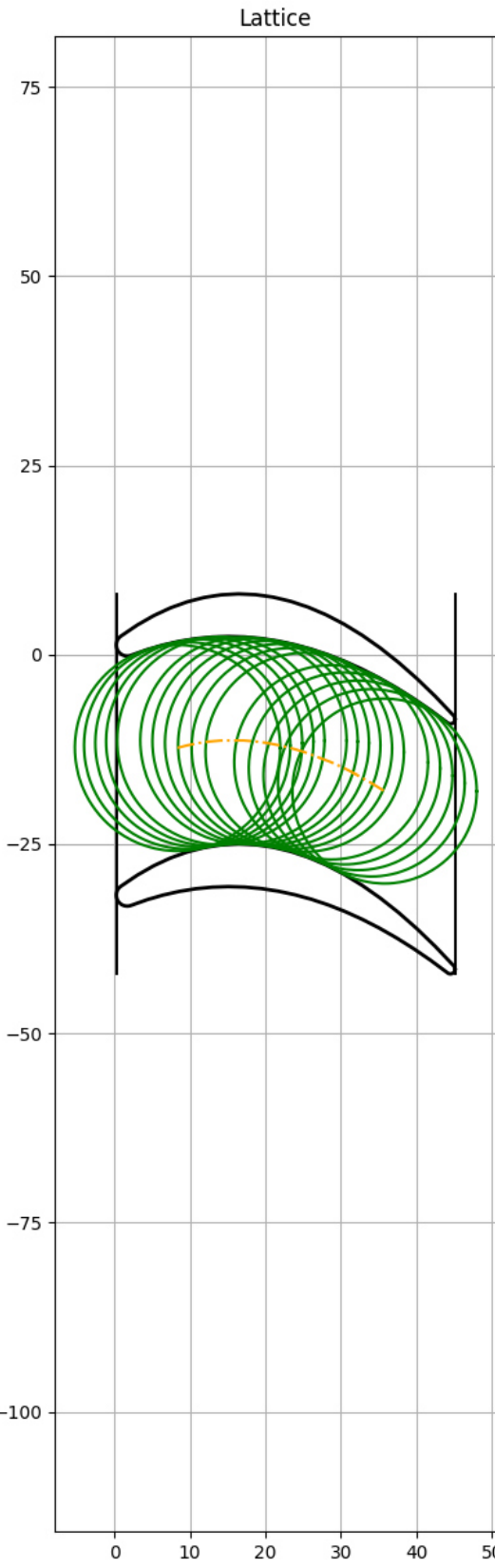
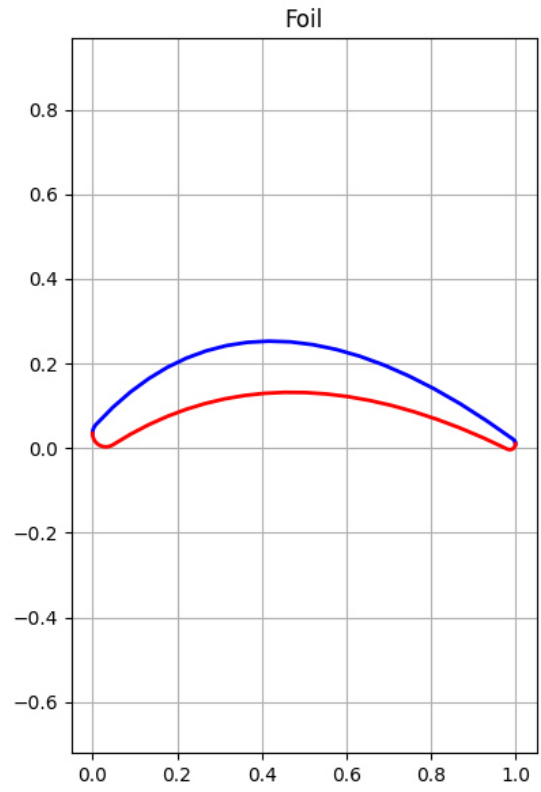
rotor_2

Initial data

- method = BMSTU
- discreteness = 20
- chord = 45.9
- installation_angle = 0.19900
- step = 33.00000
- start_point = (0.00000, 0.00000)
- rotation_angle = 1.46102
- relative_inlet_radius = 0.03150
- relative_outlet_radius = 0.01350
- inlet_angle = 0.26180
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 1

Properties

- chord = 45.90000
- length_upper = 52.35908
- length_lower = 49.05006
- xf = 15.05061
- f = 2.87201
- xc = 15.05061
- c = 5.74402
- area = 199.67041
- sx = 491.49865
- sy = 4264.73649
- x0 = 21.35888
- y0 = 2.46155
- jk = 3625.32872
- jy = 116862.82556
- jxy = 5364.24694
- px0 = 2415.48034
- py0 = 25772.82584
- pxy0 = -5133.61421
- jp = 28188.30618
- wp = 1077.84721
- major_angle = -0.20707
- jk_major = -728.83537
- jy_major = 28917.14154
- stiffness = 17.45303



rotor_3

Initial data

- method = BMSTU
- discreteness = 20
- chord = 41.7
- installation_angle = 0.26115
- step = 35.40000
- start_point = (0.00000, 0.00000)
- rotation_angle = 1.44548
- relative_inlet_radius = 0.02450
- relative_outlet_radius = 0.01050
- inlet_angle = 0.17453
- outlet_angle = 0.17453
- x_ray_cross = 0.40000
- upper_proximity = 1

Properties

- chord = 41.70000
- length_upper = 47.17654
- length_lower = 45.05537
- xf = 15.67920
- f = 2.11367
- xc = 15.67920
- c = 4.22734
- area = 136.69290
- sx = 120.65081
- sy = 2710.94196
- x0 = 19.83235
- y0 = 0.88264
- jk = 1861.04553
- jy = 67964.33657
- jxy = -3381.34603
- px0 = 1754.55412
- py0 = 14199.97701
- pxy0 = -3774.13561
- jp = 15954.53113
- wp = 661.38381
- major_angle = -0.27260
- jk_major = -1257.72617
- jy_major = 17212.25731
- stiffness = 15.72551

