

$n$	$(p, q)$	$\gamma$	$\varepsilon_V$	deviation	$B$	$ B _E^2$	S/V/E	covolume		
1	(5, 2)	$-0.38197 + 0.00000i$	$3 \leftrightarrow 13$	$6.88 \times 10^{-15}$	(0.79, 0.63, 0.39)	1.17	5/1/5	Free?		
		$-1.00000 + 0.00000i$	$3 \leftrightarrow 12$	$4.66 \times 10^{-15}$	(0.81, 0.32, 0.28)	0.83	5/1/5	Free?		
	(2, 5)	$-0.38197 + 0.00000i$	$3 \leftrightarrow 13$	$5.55 \times 10^{-15}$	(0.77, 0.46, 0.59)	1.16	5/1/5	Free?		
		$-1.00000 + 0.00000i$	$3 \leftrightarrow 14$	$3.66 \times 10^{-15}$	(0.93, 0.34, 0.31)	1.08	5/1/5	Free?		
2	(5, 2)	$-0.69098 + 0.72287i$	$3 \leftrightarrow 12$ 3	$3.89 \times 10^{-15}$ $5.88 \times 10^{-15}$	(0.10, 0.34, 0.08)	0.13	10/8/16	0.093325539506778 0.093325539506677		
		$-0.69098 - 0.72287i$	$4 \leftrightarrow 12$	$4.77 \times 10^{-15}$	(0.04, 0.31, 0.13)	0.11	10/8/16	0.093325539506687		
	(2, 5)	$-0.69098 + 0.72287i$	$5 \leftrightarrow 13$	$1.49 \times 10^{-14}$	(0.04, 0.16, -0.12)	0.04	10/8/16	0.093325539506920		
		$-0.69098 - 0.72287i$	$3 \leftrightarrow 13$	$1.29 \times 10^{-14}$	(0.04, 0.17, 0.12)	0.04	10/8/16	0.093325539506970		
	3	(5, 2)	$0.11803 - 0.60666i$	$4 \leftrightarrow 13$	$4.22 \times 10^{-14}$	(-0.27, 0.17, 0.18)	0.13	18/16/32	0.039105939852173	
$0.11803 + 0.60666i$			$4 \leftrightarrow 12$ 4	$4.64 \times 10^{-14}$ $4.55 \times 10^{-14}$	(-0.27, 0.22, 0.11)	0.13	18/16/32	0.039120554210565 0.039120554210676		
$-1.50000 - 0.60666i$			$3 \leftrightarrow 12$	$6.77 \times 10^{-15}$	(-0.13, 0.39, 0.25)	0.23	16/16/30	0.0234301713689990		
$-1.50000 + 0.60666i$			$3 \leftrightarrow 12$		failure. possibly generates a finite-sheeted cover					
(2, 5)		$0.11803 - 0.60666i$	$3 \leftrightarrow 13$	$2.49 \times 10^{-14}$	(-0.16, 0.02, 0.15)	0.05	18/16/32	0.039051905406329		
		$0.11803 + 0.60666i$	$3 \leftrightarrow 13$ 3, 4 5	$2.49 \times 10^{-14}$ $1.27 \times 10^{-14}$	(-0.17, 0.03, 0.14)	0.05	10/8/16	0.039050285615583 0.039050285615487		
					failure.					
		$-1.50000 - 0.60666i$	$3 \leftrightarrow 14$		failure. possibly generates a finite-sheeted cover					
		$-1.50000 + 0.60666i$	$3 \leftrightarrow 14$		failure. possibly generates a finite-sheeted cover					
		4	(5, 2)	$-0.19098 + 0.98159i$	$4 \leftrightarrow 13$	$1.17 \times 10^{-14}$	(0.29, 0.53, -0.17)	0.39	20/22/40	0.468603427380087
				$-0.19098 - 0.98159i$	$4 \leftrightarrow 12$	$1.57 \times 10^{-14}$	(0.28, 0.46, 0.30)	0.38	20/22/40	0.468603427380127
$-1.19098 + 0.98159i$	$4 \leftrightarrow 13$			$1.91 \times 10^{-14}$	(-0.23, 0.46, 0.33)	0.38	18/22/38	0.468603427379948		
$-1.19098 - 0.98159i$	$3 \leftrightarrow 13$ 13			$1.67 \times 10^{-14}$ $8.19 \times 10^{-14}$	(-0.23, 0.45, 0.35)	0.38	18/22/38	0.468603427380023 0.468603427379797		
(2, 5)	$-0.19098 + 0.98159i$		$3 \leftrightarrow 13$ 3	$6.48 \times 10^{-14}$ $2.11 \times 10^{-14}$	(0.05, 0.34, 0.06)	0.12	20/22/40	0.468603427380566 0.468603427380367		
	$-0.19098 - 0.98159i$	$3 \leftrightarrow 13$	$2.82 \times 10^{-14}$	(0.06, 0.35, 0.05)	0.13	20/22/40	0.468419988135056			
	$-1.19098 + 0.98159i$	$3 \leftrightarrow 13$	$8.33 \times 10^{-15}$	(0.18, 0.35, 0.01)	0.15	18/22/38	0.468603427380267			
	$-1.19098 - 0.98159i$	$3 \leftrightarrow 13$	$6.77 \times 10^{-15}$	(0.05, 0.34, 0.10)	0.13	18/22/38	0.468603427380289			
	5	(5, 2)	$0.61803 + 0.00000i$	$3 \leftrightarrow 12$  3, 4 10, 11, 12 13 5, 9	$7.33 \times 10^{-15}$  $8.22 \times 10^{-15}$ $9.10 \times 10^{-15}$ $1.42 \times 10^{-14}$ $2.72 \times 10^{-14}$	(0.75, 0.58, 0.35)	1.03	5/0/5	Free?	
					(-0.61, 0.73, 0.13)	0.93	7/6/12	Free?		
					failure.					
(2, 5)			$0.61803 + 0.00000i$	$3 \leftrightarrow 13$  3, 4 5 6 $\leftrightarrow$ 9	$1.17 \times 10^{-14}$ $1.10 \times 10^{-14}$ $8.66 \times 10^{-15}$ $6.44 \times 10^{-15}$	(0.75, 0.45, 0.54) (-0.25, -0.05, 0.83)	1.07 0.76	5/0/5 11/9/19 7/6/12	Free? Free?	
						failure.				
						(-0.25, -0.05, 0.83)	0.76	7/6/12	Free?	
(5, 2)		$0.25278 - 0.85077i$	$3 \leftrightarrow 11$ 3	$8.85 \times 10^{-14}$ $6.96 \times 10^{-14}$	(0.06, 0.50, 0.13)	0.27	20/18/36	0.313340838688514 0.313340838689695		
		$0.25278 + 0.85077i$	$4 \leftrightarrow 13$	$1.72 \times 10^{-14}$	(0.08, 0.43, 0.29)	0.28	20/18/36	0.313085454214014		
		$-1.63475 - 0.85077i$	$4 \leftrightarrow 14$	$3.77 \times 10^{-15}$	(-0.15, 0.52, 0.34)	0.41	14/12/24	0.626170908428058		
		$-1.63475 + 0.85077i$	$3 \leftrightarrow 13$	$8.77 \times 10^{-15}$	(-0.15, 0.47, 0.41)	0.41	14/12/24	0.626170908427892		
		(2, 5)	$0.25278 - 0.85077i$	$3 \leftrightarrow 13$	$1.31 \times 10^{-13}$	(-0.25, 0.21, 0.21)	0.15	20/18/36	0.312700441258862	
$0.25278 + 0.85077i$	$3 \leftrightarrow 12$		$1.63 \times 10^{-13}$	(-0.28, -0.04, 0.29)	0.16	22/22/42	0.313085454215978			
$-1.63475 - 0.85077i$	$3 \leftrightarrow 13$		$4.00 \times 10^{-15}$	(0.18, 0.34, 0.17)	0.18	14/12/24	0.626170908427952			
$-1.63475 + 0.85077i$	$3 \leftrightarrow 13$		$6.00 \times 10^{-15}$	(0.18, 0.34, -0.18)	0.17	14/12/24	0.626170908427911			
7	(5, 2)	$-0.69098 + 1.23391i$	$5 \leftrightarrow 12$	$4.44 \times 10^{-14}$	(-0.41, 0.57, 0.25)	0.55	16/13/28	Free?		
		$-0.69098 - 1.23391i$	$5 \leftrightarrow 12$	$1.22 \times 10^{-14}$	(0.43, 0.61, 0.13)	0.57	16/13/28	Free?		
		$-0.69098 + 1.23391i$	$5 \leftrightarrow 12$	$2.15 \times 10^{-14}$	(-0.41, 0.57, 0.25)	0.55	16/13/28	Free?		
		$-0.69098 - 1.23391i$	$5 \leftrightarrow 11$	$2.39 \times 10^{-14}$	(0.43, 0.61, 0.13)	0.57	16/13/28	Free?		
		$-0.69098 + 1.23391i$	$3 \leftrightarrow 13$	$5.00 \times 10^{-15}$	(-0.12, 0.18, 0.42)	0.22	12/11/22	Free?		
	(2, 5)	$-0.69098 - 1.23391i$	$3 \leftrightarrow 13$	$3.64 \times 10^{-14}$	(0.10, 0.39, 0.12)	0.18	16/13/28	Free?		
		$-0.69098 + 1.23391i$	$3 \leftrightarrow 13$	$4.71 \times 10^{-15}$	(-0.12, 0.18, 0.42)	0.22	12/11/22	Free?		
		$-0.69098 - 1.23391i$	$3 \leftrightarrow 13$	$3.60 \times 10^{-14}$	(0.10, 0.39, 0.12)	0.18	16/13/28	Free?		
8	(5, 2)	$-0.38197 + 1.27202i$	$4 \leftrightarrow 13$	$1.48 \times 10^{-13}$	(0.52, 0.60, -0.22)	0.68	22/28/48	0.860875274165978		
		$-0.38197 - 1.27202i$	$4 \leftrightarrow 13$ 4, 5	$2.26 \times 10^{-14}$ $1.67 \times 10^{-14}$	(0.57, 0.52, 0.37)	0.73	22/28/48 20/25/43	0.861225344288923 0.861236641862642		
		$-1.00000 + 1.27202i$	$3 \leftrightarrow 13$	$3.11 \times 10^{-14}$	(-0.27, 0.59, 0.32)	0.52	24/26/48	0.859899854837779		
		$-1.00000 - 1.27202i$	$4 \leftrightarrow 14$	$7.99 \times 10^{-14}$	(-0.27, 0.56, -0.34)	0.50	24/26/48	0.859899854837823		
		$-0.38197 + 1.27202i$	$5 \leftrightarrow 13$	$1.29 \times 10^{-14}$	(-0.05, 0.23, 0.37)	0.19	20/25/43	0.861241520146001		
	(2, 5)	$-0.38197 - 1.27202i$	$5 \leftrightarrow 13$	$1.71 \times 10^{-14}$	(0.16, 0.40, 0.17)	0.21	22/28/48	0.860875274165283		
		$-1.00000 + 1.27202i$	$4 \leftrightarrow 14$ 14	$5.71 \times 10^{-14}$ $2.80 \times 10^{-14}$	(0.25, 0.41, 0.08)	0.24	24/26/48	0.859899854837891 0.859899854837936		
		$-1.00000 - 1.27202i$	$3 \leftrightarrow 14$	$1.33 \times 10^{-13}$	(0.16, 0.41, 0.10)	0.20	24/26/48	0.860960287124459		

$n$	$(p, q)$	$\gamma$	$\varepsilon_V$	deviation	$B$	$\ B\ _E^2$	S/V/E	covolume
9	(5, 2)	$0.11803 - 1.16963i$	$4 \leftrightarrow 12$ 12	$5.74 \times 10^{-14}$ $2.97 \times 10^{-13}$	(0.59, 0.45, 0.46)	0.77	22/30/50	1.118581444567214 1.118581444565920
		$0.11803 + 1.16963i$	$4 \leftrightarrow 11$	$9.98 \times 10^{-14}$	(0.60, 0.57, 0.33)	0.79	22/30/50	1.119298555873805
		$-1.50000 - 1.16963i$	$4 \leftrightarrow 11$	$2.96 \times 10^{-13}$	(-0.21, 0.59, 0.44)	0.59	22/30/50	1.120064501687885
		$-1.50000 + 1.16963i$	$5 \leftrightarrow 11$	$1.57 \times 10^{-13}$	(-0.21, 0.57, 0.46)	0.58	22/30/50	1.119989940730108
	(2, 5)	$0.11803 - 1.16963i$	$3 \leftrightarrow 13$	$3.67 \times 10^{-14}$	(0.11, 0.39, 0.20)	0.21	24/32/54	1.119270315426469
		$0.11803 + 1.16963i$	$4 \leftrightarrow 13$	$8.07 \times 10^{-14}$	(0.19, 0.36, 0.27)	0.24	22/30/50	1.118814103894236
		$-1.50000 - 1.16963i$	$4 \leftrightarrow 14$ 14	$4.82 \times 10^{-14}$ $5.62 \times 10^{-14}$	(0.33, 0.41, 0.18)	0.31	22/30/50	1.120222529291118 1.120222529291008
		$-1.50000 + 1.16963i$	$5 \leftrightarrow 14$	$2.10 \times 10^{-13}$	(0.33, 0.41, -0.19)	0.31	22/30/50	1.120222529291431
10	(5, 2)	$-0.08180 - 1.28803i$	$4 \leftrightarrow 11$	$6.79 \times 10^{-14}$	(0.60, 0.50, 0.41)	0.78	20/22/40	1.401249917568806
		$-0.08180 + 1.28803i$	$5 \leftrightarrow 11$	$1.70 \times 10^{-13}$	(0.59, 0.60, -0.27)	0.78	20/22/40	1.401249917567046
		$-1.30017 - 1.28803i$	$5 \leftrightarrow 12$	$2.68 \times 10^{-12}$	(-0.50, 0.35, 0.44)	0.57	26/28/52	0.700666393700143
		$-1.30017 + 1.28803i$	$4 \leftrightarrow 10$ 4	$1.87 \times 10^{-12}$ $1.43 \times 10^{-12}$	(-0.41, 0.39, 0.44)	0.51	26/28/52	0.700364591055182 0.700364591063245
	(2, 5)	$-0.08180 - 1.28803i$	$3 \leftrightarrow 13$	$2.05 \times 10^{-14}$	(0.30, 0.43, 0.24)	0.33	20/22/40	1.402192567477373
		$-0.08180 + 1.28803i$	$3 \leftrightarrow 14$	$4.17 \times 10^{-14}$	(0.36, 0.43, 0.04)	0.32	20/22/40	1.401249917569314
		$-1.30017 - 1.28803i$	$4 \leftrightarrow 12$	$1.75 \times 10^{-12}$	(0.11, 0.22, 0.30)	0.15	26/28/52	0.699824630962773
		$-1.30017 + 1.28803i$	$5 \leftrightarrow 12$	$2.18 \times 10^{-12}$	(0.11, 0.22, -0.30)	0.15	26/28/52	0.699824630999953
	(5, 2)	$0.61803 + 0.78615i$	$4 \leftrightarrow 11$ 4 5	$2.23 \times 10^{-13}$ $2.23 \times 10^{-13}$	(0.38, 0.57, 0.24)	0.53	22/28/48	0.860708833608866 0.860708833608874
					failure.			
		$0.61803 - 0.78615i$	$4 \leftrightarrow 11$	$1.25 \times 10^{-13}$	(0.43, 0.55, 0.31)	0.59	22/28/48	0.861241520145068
		$-2.00000 + 0.78615i$	$3 \leftrightarrow 13$ 13	$5.96 \times 10^{-14}$ $1.38 \times 10^{-13}$	(-0.12, 0.46, 0.54)	0.51	20/25/43	0.861241520145816 0.861241520145561
		$-2.00000 - 0.78615i$	$4 \leftrightarrow 13$	$6.33 \times 10^{-14}$	(-0.13, 0.64, 0.31)	0.52	20/25/43	0.861241520146301
		$0.61803 + 0.78615i$	$3 \leftrightarrow 12$	$3.16 \times 10^{-14}$	(0.15, 0.38, 0.12)	0.18	22/28/48	0.860320286827674
		$0.61803 - 0.78615i$	$4 \leftrightarrow 12$ 13	$1.19 \times 10^{-13}$ $7.02 \times 10^{-14}$	(0.16, 0.39, 0.13)	0.20	22/28/48	0.861241520145928 0.861241520145697
		$-2.00000 + 0.78615i$	$4 \leftrightarrow 13$	$2.00 \times 10^{-14}$	(-0.27, 0.15, 0.40)	0.26	20/25/43	0.861241520146132
		$-2.00000 - 0.78615i$	$3 \leftrightarrow 13$	$3.26 \times 10^{-14}$	(0.34, 0.45, 0.28)	0.39	20/25/43	0.861241520146243
12	(5, 2)	$0.87764 + 0.58260i$	$4 \leftrightarrow 12$ 4	$3.64 \times 10^{-13}$ $2.33 \times 10^{-13}$	(0.15, 0.56, 0.18)	0.37	22/20/40	0.454752582526266 0.454752582525471
		$0.87764 - 0.58260i$	$4 \leftrightarrow 13$	$3.35 \times 10^{-13}$	(0.19, 0.52, 0.29)	0.39	22/20/40	0.454519626171802
		$-2.25960 + 0.58260i$	$5 \leftrightarrow 13$	$6.62 \times 10^{-14}$	(-0.01, 0.58, 0.11)	0.35	22/20/40	0.454752582524517
		$-2.25960 - 0.58260i$	$4 \leftrightarrow 12$	$4.30 \times 10^{-13}$	(-0.05, 0.49, 0.34)	0.36	22/20/40	0.454519626172170
	(2, 5)	$0.87764 + 0.58260i$	$4 \leftrightarrow 13$	$7.77 \times 10^{-14}$	(-0.23, 0.04, 0.33)	0.16	22/20/40	0.454752582524330
		$0.87764 - 0.58260i$	$3 \leftrightarrow 13$	$4.05 \times 10^{-13}$	(-0.31, 0.28, 0.22)	0.22	22/20/40	0.454272752254004
		$-2.25960 + 0.58260i$	$4 \leftrightarrow 12$	$2.83 \times 10^{-14}$	(-0.09, 0.34, 0.36)	0.25	22/20/40	0.454271480250933
		$-2.25960 - 0.58260i$	$3 \leftrightarrow 13$	$7.66 \times 10^{-14}$	(-0.03, 0.22, 0.30)	0.14	22/20/40	0.454729363580044