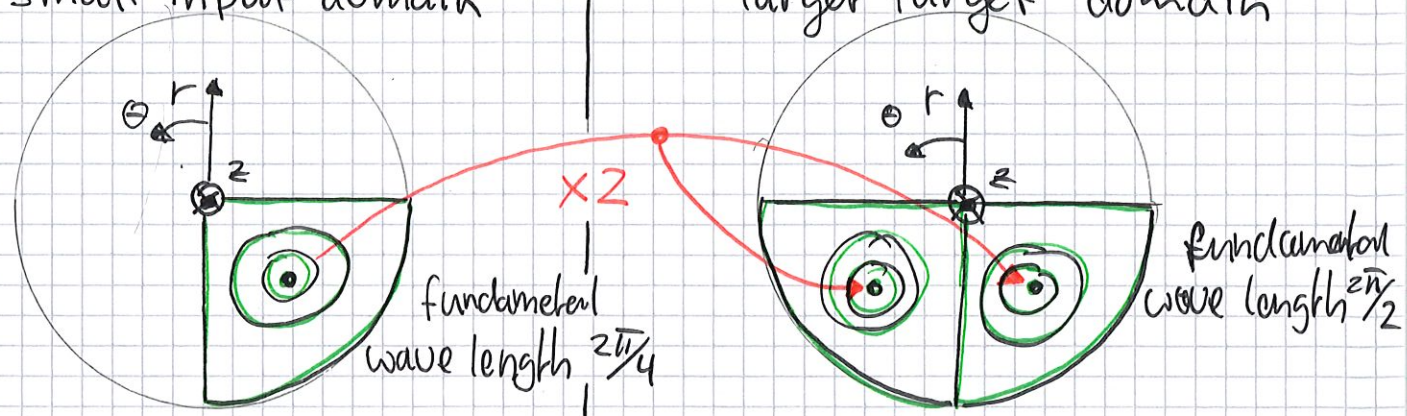


small input domain

larger target domain



azimuthal wave number

$$k_{th0} = 4$$

enlarge domain by factor of two

$$k_{th0} = 2$$

axial wave number

$$k_{z0} = 1, 3, \dots$$

$$k_{z0} = 1, 3, \dots$$

azimuthal modes

$$m_{th} = 4$$

stack two copies next to each other

$$m_{th} = 8$$

axial modes

$$m_{z0} = 4$$

$$fstack_{th} = \frac{m_{th}}{m_{th} - ifix} = 2$$

$$m_{z0} = 4$$

$f_{\theta z}$ $f_{\theta z}$

1	0	0	360	-1
2	1	0	371	-1
3	2	0	382	-1
4	3	0	393	-1
5	4	0	404	-1
6	0	1		
7	1	1		
8	2	1		
9	3	1		
10	4	1		
11	0	2		
12	1	2		
13	2	2		
14	3	2		
15	4	2		
16	0	3		
17	1	3		
18	2	3		
19	3	3		
20	4	3		
21	0	4		
22	1	4		
23	2	4		
24	3	4		
25	4	4		
26	0	5		
27	1	5		
28	2	5		
29	3	5		
30	4	5		
31	0	6		
32	1	6		
33	2	6		
34	3	6		
35	4	6		

... and so on

continued

$f_{\theta z}$ $f_{\theta z}$

1	0	0	370	4
2	1	0	381	4
3	2	0	392	4
4	3	0	403	4
5	4	0	414	4
6	5	0	425	4
7	6	0	436	4
8	7	0	447	4
9	8	0	458	4
10	0	1	460	3
11	1	1	471	3
12	2	1	482	3
13	3	1	493	3
14	4	1	504	3
15	5	1	515	3
16	6	1	526	3
17	7	1	537	3
18	8	1	548	3
19	0	2	550	2
20	1	2	561	2
21	2	2	572	2
22	3	2	583	2
23	4	2	594	2
24	5	2	605	2
25	6	2	616	2
26	7	2	627	2
27	8	2	638	2
28	0	3	640	1
29	1	3	651	1
30	2	3	662	1
31	3	3	673	1
32	4	3	684	1
33	5	3	695	1
34	6	3	706	1
35	7	3	717	1
36	8	3	728	1

... and so on

continued

$fstack_{th}$