

Exercises of PHYS 301

(Fall 2022 - 441)

Textbook:

“Fundamentals of complex analysis engineering, science, and mathematics”. By E. Saff & A. Snider, Third edition.

Chapter 1:

Sections	Exercises	Pages
1.1	6,7,11,13,18,20	4,5,6
1.2	4,7,11,13	12,13
1.3	1,5,7,12	22,23
1.4	2,3,12,23	31, 32
1.5	4,5,7,9,11	37
1.6	2,3,4,5,6,7,8	42

Chapter 2:

Sections	Exercises	Pages
2.1	1,2,5	56
2.2	11,21	63,64
3.3	7,9,14,15	71,72
2.4	1	77
2.5	1,3(a,b,c,d)	84

Chapter 3:

Sections	Exercises	Pages
3.1	3(a,b),5,11	108,109
3.2	1,9,13,14,15	115,116
3.3	1,3,5,	123
3.5	1,3,7,9,11	136,137

Chapter 4:

Sections	Exercises	Pages
4.1	1,5	159,160
4.2	3,6,8	170,171
4.3	1	178
4.4	9,10,17	201,203
4.5	1,3,4,7	212,213

Chapter 5:

Sections	Exercises	Pages
5.1	2,11	239
5.2	1,8,11	249,251
5.3	2,3,5	258,259
5.5	1,3,7	276
5.6	1,3	285

Chapter 6:

Sections	Exercises	Pages
6.1	1,3	313
6.2	1,2,3,5,6	317
6.3	1,2,4,5,6	325,326