

S have to consider a different particular case: a different incident beam and a different substrate (see the attached table).

Thus, according to **your** incident beam and substrate, please upload your Matlab (or Python) code in a single file so that, when I run the code in my computer, it outputs only the following three values for the corresponding reflected beam: ψ , χ and ratio of reflected energy R .

You do not have to submit any new text. Simply, pack the same code you have already used for this Homework 3 in a single file and send it to me. Be sure that the code you send runs alone (without need of any additional code file) and gives the right answer to the case assigned to you.

Student	Incident beam (J_x, J_y)	Inc.angle (degrees)	Substrate (n, κ)
Adel Abdelaleim	(5i,7)	12	(0.4, 1.6)
Blasco Solvas	(4,7i)	73	(0.8, 6.42)
Blazquez Coido	(4,7)	55	(3.8, 0.86)
Bobí Olmo	(0.4, 0.8)	56	(0.2, 7.9)
Bou I Marin	(2i,-3)	71	(1.9, 2.08)
Canals Pascual	(-0.3,0.9)	72	(4.1, 3.87)
Caravaca Crespo	(-0.5i,7)	61	(1.5,1.4)
Cobos Concha	(4,-0.7i)	62	(1.4,1.5)
De Mas Giménez	(4i,7)	63	(0.4, 1.6)
Del Bosque Calvo	(0.4i, 0.8)	12	(0.8, 6.42)
Delait	(2i,-3i)	73	(3.8, 0.86)
Fajardo Vega	(-0.3,-0.9)	55	(0.2, 7.9)
Gerónimo Gomez	(5i,0.7)	56	(1.9, 2.08)
González Morote	(4,7.7i)	71	(4.1, 3.87)
Goset Maldonado	(4i,1.7)	72	(1.4, 1.6)
López Arandia	(0.4i, 0.8)	12	(1.8, 6.42)
Martín Romero	(2i,-3)	73	(3.8, 1.86)
Martínez Chisbert	(-0.3,0.9i)	55	(0.2, 3.9)
Martínez Garcia	(-0.5i,7)	56	(1.9, 1.08)
Martínez Pàmias	(3.4,-0.7i)	71	(4.1, 3.7)
Mestre Torà	(4i,7)	72	(1.5,1.24)
Otero Picón	(0.4, 0.8i)	61	(1.4,0.0)
Perez Barrera	(2.2i,-3i)	62	(0.4, 2.6)
Pérez Castro	(-0.3,0.29)	63	(0.8, 3.42)
Pérez Moré	(4,1.7i)	12	(3.8, 1.86)
Rovirola Metcalfe	(4i,-1.7)	73	(0.2, 3.9)
Toscanini	(0.4i, 0.18)	55	(1.9, 0.08)
Tuñón Grossi	(2i,-3.1)	56	(4.1, 2.87)
Vilalimó Rufas	(-0.3,-0.9i)	71	(1.4,0.1)
Villalba Esparza	(-0.5i,-0.17)	72	(0.4, 2.16)
Vitrià Montero	(3.4,-0.7i)	45	(0.8, 0.42)
Wang	(1.4i,2.7)	46	(3.8, 0.86)
Zamora Rovira	(1.,2.)	47	(1.8, 0.86)