McGill University

Mechanics of Composite Materials

MECH 530

Assignment 4

Student Name: Student ID:

Selim Belhaouane   260450544

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		ϵ_1	ϵ_2	ϵ_6	ϵ_x	ϵ_y	ϵ_s	ϵ
Ply 0 (0°)	0	0.0175	-0.0061	-0.0001	0.0175	-0.0061	-0.0001	2.3
	1	0.0172	-0.0059	-0.0001	0.0172	-0.0059	-0.0001	2.2
Ply 1 (0°)	2	0.0172	-0.0059	-0.0001	0.0172	-0.0059	-0.0001	2.2
	3	0.0168	-0.0058	-0.0001	0.0168	-0.0058	-0.0001	2.2
Ply 2 (25°)	4	0.0168	-0.0058	-0.0001	0.0127	-0.0017	-0.0174	1.7
	5	0.0164	-0.0057	-0.0001	0.0124	-0.0017	-0.0170	1.6
Ply 3 (-25°)	6	0.0164	-0.0057	-0.0001	0.0125	-0.0018	0.0168	1.6
	7	0.0160	-0.0055	-0.0001	0.0122	-0.0017	0.0164	1.6
Ply 4 (0°)	8	0.0160	-0.0055	-0.0001	0.0160	-0.0055	-0.0001	2.1
	9	0.0156	-0.0054	-0.0001	0.0156	-0.0054	-0.0001	2.0
Ply 5 (0°)	10	0.0156	-0.0054	-0.0001	0.0156	-0.0054	-0.0001	2.0
	11	0.0153	-0.0053	-0.0001	0.0153	-0.0053	-0.0001	2.0
Ply 6 (0°)	12	-0.0153	0.0053	0.0001	-0.0153	0.0053	0.0001	-2.
	13	-0.0156	0.0054	0.0001	-0.0156	0.0054	0.0001	-2.
Ply 7 (0°)	14	-0.0156	0.0054	0.0001	-0.0156	0.0054	0.0001	-2.
	15	-0.0160	0.0055	0.0001	-0.0160	0.0055	0.0001	-2.
Ply 8 (-25°)	16	-0.0160	0.0055	0.0001	-0.0122	0.0017	-0.0164	-1.
	17	-0.0164	0.0057	0.0001	-0.0125	0.0018	-0.0168	-1.
Ply 9 (25°)	18	-0.0164	0.0057	0.0001	-0.0124	0.0017	0.0170	-1.
	19	-0.0168	0.0058	0.0001	-0.0127	0.0017	0.0174	-1.
Ply 10 (0°)	20	-0.0168	0.0058	0.0001	-0.0168	0.0058	0.0001	-2.
	21	-0.0172	0.0059	0.0001	-0.0172	0.0059	0.0001	-2.
Ply 11 (0°)	22	-0.0172	0.0059	0.0001	-0.0172	0.0059	0.0001	-2.
	23	-0.0175	0.0061	0.0001	-0.0175	0.0061	0.0001	-2.

24 rows × 9 columns

Height vs on-axis strain