

Table 5 Cross-comparison results of *sub1*

Rank	Wake Model	Algorithm	AEP	cc-sub#	Difference
1	Simplified Bastankhah	fmincon	262350.319	4	0.624 %
2	Bastankhah	SNOPT+WEC	262282.416	5	0.598 %
3	FLORISSE 3D	SNOPT	260722.295	1	-
4	Bastankhah	Full Pseudo-Gradient Approach	260640.906	3	-0.031 %
5	Park2	PSQP	248215.024	2	-4.797 %

Table 6 Cross-comparison results of *sub2*

Rank	Wake Model	Algorithm	AEP	cc-sub#	Difference
1	Simplified Bastankhah	fmincon	250464.9732	4	5.975 %
2	Bastankhah	SNOPT+WEC	250249.0259	5	5.884 %
3	Bastankhah	Full Pseudo-Gradient Approach	247812.0522	3	4.853 %
4	FLORISSE 3D	SNOPT	240309.5850	1	1.678 %
5	Park2	PSQP	236342.799	2	-

Table 7 Cross-comparison results of *sub3*

Rank	Wake Model	Algorithm	AEP	cc-sub#	Difference
1	Bastankhah	SNOPT+WEC	247109.5234	5	0.590 %
2	Simplified Bastankhah	fmincon	246942.3767	4	0.522 %
3	Bastankhah	Full Pseudo-Gradient Approach	245659.4124	3	-
4	Park2	PSQP	242431.5431	2	-1.314 %
5	FLORISSE 3D	SNOPT	237548.6622	1	-3.302 %

Table 8 Cross-comparison results of *sub4*

Rank	Wake Model	Algorithm	AEP	cc-sub#	Difference
1	Simplified Bastankhah	fmincon	257790.1924	4	-
2	Bastankhah	SNOPT+WEC	257663.4068	5	-0.049 %
3	Bastankhah	Full Pseudo-Gradient Approach	255063.8201	3	-1.058 %
4	FLORISSE 3D	SNOPT	251776.7157	1	-2.333 %
5	Park2	PSQP	239612.8223	2	-7.051 %

Table 9 Cross-comparison results of *sub5*

Rank	Wake Model	Algorithm	AEP	cc-sub#	Difference
1	Bastankhah	SNOPT+WEC	251771.9067	5	-
2	Simplified Bastankhah	fmincon	251697.7126	4	-0.029 %
3	Bastankhah	Full Pseudo-Gradient Approach	249829.2199	3	-0.772 %
4	FLORISSE 3D	SNOPT	246503.8323	1	-2.092 %
5	Park2	PSQP	239482.6767	2	-4.881 %