

Monte Carlo Simulations results for estimating an offshore structure fatigue life with a Fracture Mechanics based crack growth model, after additional information was considered through Bayesian inference at t=13 years

Fatigue Life [Years]	MCS Frequency [-]
34	121
35	40
36	25
37	117
38	433
39	412
40	261
41	237
42	425
43	340
44	387
45	321
46	222
47	515
48	370
49	470
50	562
51	565
52	515
53	635
54	966
55	860
56	754
57	739
58	694
59	521
60	650
61	869
62	1109
63	980
64	873
65	725
66	1148
67	1522
68	1498
69	1393
70	1763
71	1528
72	2034
73	2011

74	2104
75	2270
76	2157
77	1976
78	2238
79	2238
80	2425
81	2485
82	1994
83	1964
84	1934
85	2270
86	2180
87	1841
88	2509
89	2337
90	2139
91	1673
92	1477
93	1243
94	1634
95	1688
96	1558
97	1739
98	1763
99	1582
100	1333
101	1582
102	1222
103	951
104	845
105	1047
106	1318
107	1417
108	1423
109	1522
110	1228
111	1312
112	1131
113	1070
114	1335
115	1131
116	1131
117	641
118	822
119	890

120	967
121	1135
122	1318
123	1117
124	1187
125	1037
126	1004
127	1060
128	1079
129	1225
130	867
131	974
132	709
133	709
134	559
135	463
136	246
137	306
138	336
139	430
140	276
141	279
142	276
143	336
144	280
145	310
146	319
147	304
148	274
149	177
150	154
151	132
152	132
153	102
154	85
155	109
156	94
157	34
158	34
159	19
160	21
161	33
162	34
163	18

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