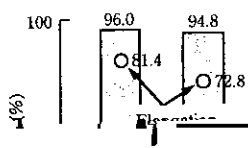


Development of Life Prolongation Technology for Crane Wire Rope

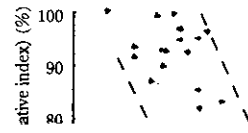
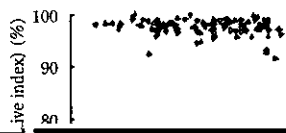


要旨

巻上げワイヤロープ (以下, ワイヤ) の廃棄基準には法規で定められた巻上げ回数の廃止基準があるが、定量的な評価



	Ratio 0.5	Actual	1.0	1.5
E. L. Klein (1937)		←		
G. Niemann (1946)		←		



Residual life index (%)

Residual life (relative index) (%)

	Round wire		Profile wire	
	Crane A 180° rotation	Crane B A few rotation	Crane A 180° rotation	Crane B A few rotation

Table 6. Moment of inertia of rope

Item	Value
1	...
2	...
3	...
4	...
5	...
6	...
7	...
8	...
9	...
10	...
11	...
12	...
13	...
14	...
15	...
16	...
17	...
18	...
19	...
20	...
21	...
22	...
23	...
24	...
25	...
26	...
27	...
28	...
29	...
30	...