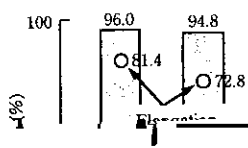


Development of Life Prolongation Technology for Crane Wire Rope

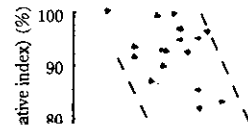
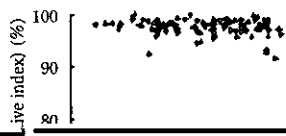


要旨

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摩耗基準が主であるが、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	...