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LAMPIRAN

Lampiran 1.Tabel Perhitungan Kekuatan Batas Kapal Tanker T3 menggunakan Metode NLFEA Kondisi *Sagging* dan *Hogging*

Sagging		Hogging	
Bending Moment	*Curvature*	*Bending Moment*	*Curvature*
0	0	0	0
-4,00E+11	-4,48E-03	2,00E+12	2,24E-02
-8,00E+11	-8,96E-03	4,00E+12	4,48E-02
-1,20E+12	-1,34E-02	6,01E+12	6,72E-02
-1,60E+12	-1,79E-02	8,02E+12	8,96E-02
-2,00E+12	-2,24E-02	1,00E+13	1,12E-01
-2,39E+12	-2,69E-02	1,20E+13	1,34E-01
-2,79E+12	-3,14E-02	1,23E+13	1,57E-01
-3,19E+12	-3,58E-02	1,28E+13	1,79E-01
-3,58E+12	-4,03E-02	1,30E+13	2,02E-01
-3,98E+12	-4,48E-02	1,29E+13	2,24E-01
-4,37E+12	-4,93E-02		
-4,76E+12	-5,38E-02		
-5,16E+12	-5,82E-02		
-5,54E+12	-6,27E-02		
-5,93E+12	-6,72E-02		
-6,32E+12	-7,17E-02		
-6,70E+12	-7,62E-02		
-7,09E+12	-8,07E-02		
-7,46E+12	-8,51E-02		
-7,72E+12	-8,96E-02		
-8,05E+12	-9,41E-02		
-8,32E+12	-9,86E-02		
-8,54E+12	-1,03E-01		
-8,92E+12	-1,08E-01		
-9,00E+12	-1,12E-01		
-8,59E+12	-1,16E-01		
-8,59E+12	-1,21E-01		
-8,59E+12	-1,25E-01		
-8,59E+12	-1,30E-01		
-8,59E+12	-1,34E-01		
-8,59E+12	-1,39E-01		
-8,59E+12	-1,43E-01		
-8,60E+12	-1,48E-01		
-8,60E+12	-1,52E-01		
-8,60E+12	-1,57E-01		
-8,60E+12	-1,61E-01		

-8,60E+12	-1,66E-01
-8,60E+12	-1,70E-01
-8,60E+12	-1,75E-01
-8,60E+12	-1,79E-01
-8,60E+12	-1,84E-01
-8,60E+12	-1,88E-01
-8,61E+12	-1,93E-01

Lampiran 2. Tabel Perhitungan Kekuatan Batas Kapal Tanker T3 BKI menggunakan Metode NLFEA Kondisi *Sagging* dan *Hogging*

Sagging		Hogging	
Bending Moment	*Curvature*	*Bending Moment*	*Curvature*
0	0	0	0
-9,99E+11	-0,01	2,00E+12	0,02
-2,00E+12	-0,02	4,00E+12	0,04
-3,00E+12	-0,03	5,95E+12	0,06
-4,00E+12	-0,04	7,85E+12	0,08
-5,00E+12	-0,05	9,13E+12	0,10
-6,01E+12	-0,07	9,74E+12	0,12
-7,01E+12	-0,08	9,74E+12	0,12
-8,01E+12	-0,09	9,88E+12	0,14
-8,01E+12	-0,10	1,00E+13	0,17
-8,01E+12	-0,10	1,01E+13	0,18
-7,93E+12	-0,22	1,01E+13	0,21
		1,01E+13	0,21
		1,02E+13	0,21
		1,02E+13	0,21
		1,02E+13	0,21
		1,02E+13	0,21
		1,02E+13	0,22
		1,02E+13	0,22
		1,03E+13	0,22
		1,03E+13	0,22
		1,03E+13	0,22

Lampiran 3. Tabel Perhitungan Kekuatan Batas Kapal Tanker T3 IACS menggunakan Metode NLFEA Kondisi *Sagging* dan *Hogging*

Sagging		Hogging	
Bending Moment	*Curvature*	*Bending Moment*	*Curvature*
0	0	0	0
-1,00E+12	-0,01	1,00E+12	0.01
-2,00E+12	-0,02	2,00E+12	0.02
-3,00E+12	-0,04	2,99E+12	0.04
-4,01E+12	-0,05	3,98E+12	0.05
-5,01E+12	-0,06	4,97E+12	0.06
-6,01E+12	-0,07	5,94E+12	0.07
-7,01E+12	-0,08	6,91E+12	0.08
-7,12E+12	-0,10	7,84E+12	0.09
-7,24E+12	-0,19	8,59E+12	0.10
-7,33E+12	-0,19	9,08E+12	0.20
-7,33E+12	-0,19	9,08E+12	0.21
-7,33E+12	-0,19	9,08E+12	0.21
		9,08E+12	0.21
		9,09E+12	0.21