問題１－１　金属材料の引張試験の解析

1

2 S25C

75mm

2

0.26 1

2

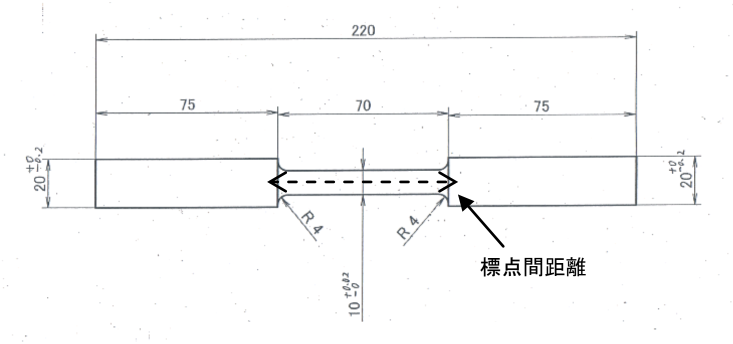

220
75
70
75
$20^{+0}_{-0.2}$
$20^{+0}_{-0.2}$
R 4
R 4
$10^{+0.2}_{-0}$
標点間距離

図 1

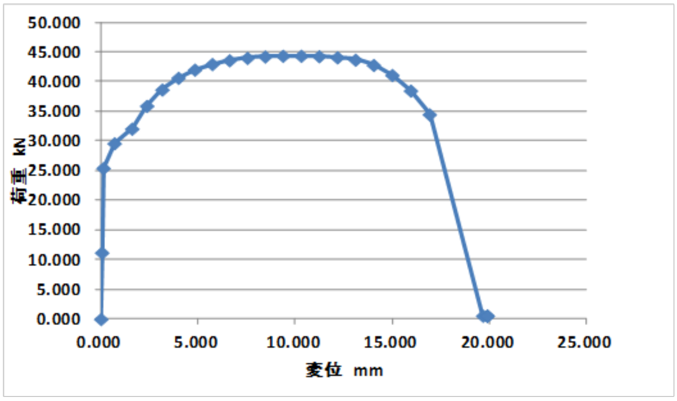
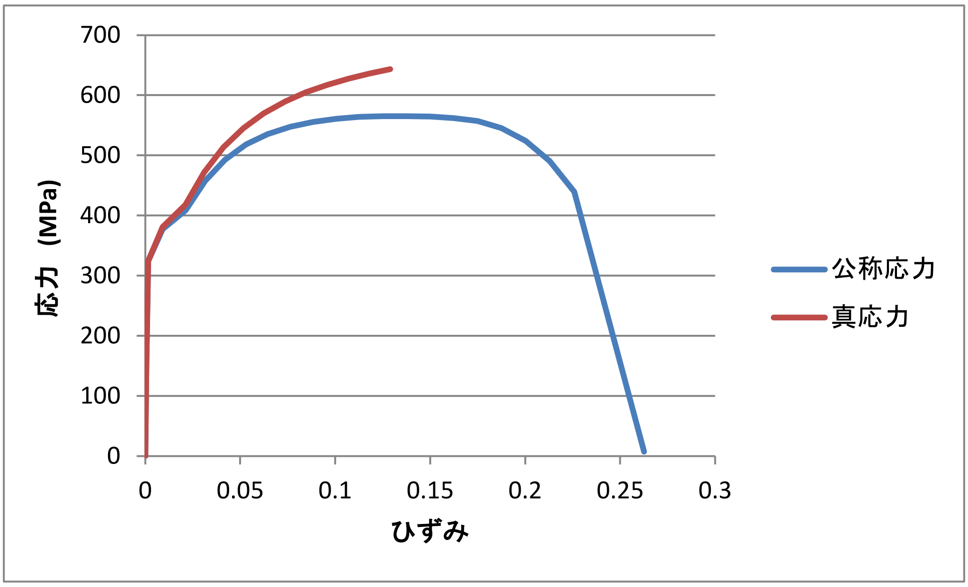


図 2

変位	荷重
0.000	0.000
0.047	11.210
0.121	25.465
0.692	29.638
1.600	32.103
2.364	35.951
3.155	38.697
3.989	40.685
4.836	42.058
5.734	43.003
6.628	43.649
7.546	44.043
8.463	44.282
9.384	44.398
10.322	44.399
11.247	44.323
12.186	44.137
13.119	43.737
14.059	42.844
15.015	41.151
15.970	38.527
16.940	34.519
19.693	0.566



324MPa/0.00160846×1000=201.6GPa