

(1) 400N/mm²鋼材 (F=235N/mm², t≤40mm以下) の許容圧縮応力度及び許容曲げ応力度
表2: f_c表 (N/mm²)

λ _c	0	1	2	3	4	5	6	7	8	9
0	156	156	156	156	156	156	156	156	156	155
10	155	155	155	155	154	154	154	154	153	153
20	153	152	152	151	151	151	150	150	149	149
30	148	148	147	146	146	145	145	144	143	143
40	142	141	141	140	139	139	138	137	136	136
50	135	134	133	132	132	131	130	129	128	127
60	126	125	124	124	123	122	121	120	119	118
70	117	116	115	114	113	112	111	110	109	108
80	107	106	105	104	103	102	101	100	99.0	98.0
90	96.9	95.9	94.8	93.7	92.7	91.5	90.5	89.4	88.4	87.3
100	86.2	85.1	84.1	83.0	81.9	80.8	79.8	78.7	77.6	76.5
110	85.5	74.6	73.3	72.3	71.2	70.1	69.1	68.0	66.9	65.9
120	64.8	63.7	62.7	61.7	60.7	59.7	58.8	57.9	57.0	56.1
130	55.2	54.4	53.6	52.8	52.0	51.2	50.5	49.7	49.0	48.3
140	47.6	46.9	46.3	45.6	45.0	44.4	43.8	43.2	42.6	42.0
150	41.5	40.9	40.4	39.9	39.3	38.8	38.3	37.8	37.4	36.9
160	36.4	36.0	35.5	35.1	34.7	34.3	33.8	33.4	33.0	32.7
170	32.3	31.9	31.5	31.2	30.8	30.5	30.1	29.8	29.4	29.1
180	28.8	28.5	28.1	27.8	27.5	27.2	26.9	26.7	26.4	26.1
190	25.8	25.6	25.3	25.0	24.8	24.5	24.3	24.0	23.8	23.5
200	23.3	23.1	22.8	22.6	22.4	22.2	22.0	21.7	21.5	21.3
210	21.1	20.9	20.7	20.5	20.3	20.2	20.0	19.8	19.6	19.4
220	19.2	19.1	18.9	18.7	18.6	18.4	18.2	18.1	17.9	17.8
230	17.6	17.5	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.3
240	16.2	16.0	15.9	15.8	15.6	15.5	15.4	15.3	51.1	15.0
250	14.9									

表3: f_{bα}表 (N/mm²)

λ _b	0	1	2	3	4	5	6	7	8	9
0	156	156	156	156	156	156	156	156	156	156
10	156	155	155	155	155	155	155	155	155	154
20	154	154	154	154	154	153	153	153	153	152
30	152	152	152	151	151	151	150	150	150	149
40	149	149	148	148	148	147	147	146	146	146
50	145	145	144	144	143	143	142	142	141	141
60	140	140	139	139	138	138	137	137	136	135
70	135	134	134	133	132	132	131	130	130	129
80	128	128	127	126	125	125	124	123	122	122
90	121	120	119	119	118	117	116	115	114	114
100	113	112	111	110	109	108	107	106	105	105
110	104	103	102	101	99.7	98.7	97.7	96.7	95.7	94.6
120	93.6	92.6	91.5	90.4	89.4	88.3	87.2	86.1	85.0	83.9
130	82.8	81.6	80.5	79.3	78.2	77.0	75.9	74.7	73.5	72.3
140	71.1	69.8	68.6	67.4	66.1	64.9	63.6	62.4	61.1	59.8
150	59.0									

表4: f_{bβ}表 (N/mm²)

λ _b	0	1	2	3	4	5	6	7	8	9
0		89,000	44,500	29,667	22,250	17,800	14,833	12,714	11,125	9,889
10	8,900	8,091	7,417	6,846	6,357	5,933	5,563	5,235	4,944	4,684
20	4,450	4,238	4,045	3,870	3,708	3,560	3,423	3,296	3,179	3,069
30	2,967	2,871	2,781	2,697	2,618	2,543	2,472	2,405	2,342	2,282
40	2,225	2,171	2,119	2,070	2,023	1,978	1,935	1,894	1,854	1,816
50	1,780	1,745	1,712	1,679	1,648	1,618	1,589	1,561	1,534	1,508
60	1,483	1,459	1,435	1,413	1,391	1,369	1,348	1,328	1,309	1,290
70	1,271	1,254	1,236	1,219	1,203	1,187	1,171	1,156	1,141	1,127
80	1,113	1,099	1,085	1,072	1,060	1,047	1,035	1,023	1,011	1,000
90	989	978	967	957	947	937	927	918	908	899
100	890	881	873	864	856	848	840	832	824	817
110	809	802	795	788	781	774	767	761	754	748
120	742	736	730	724	718	712	706	701	695	690
130	685	679	674	669	664	659	654	650	645	640
140	636	631	627	622	618	614	610	605	601	597
150	593	589	586	582	578	574	571	567	563	560
160	556	553	549	546	543	539	536	533	530	527
170	524	520	517	514	511	509	506	503	500	497
180	494	492	489	486	484	481	478	476	473	471
190	468	466	464	461	459	456	454	452	449	447
200	445									

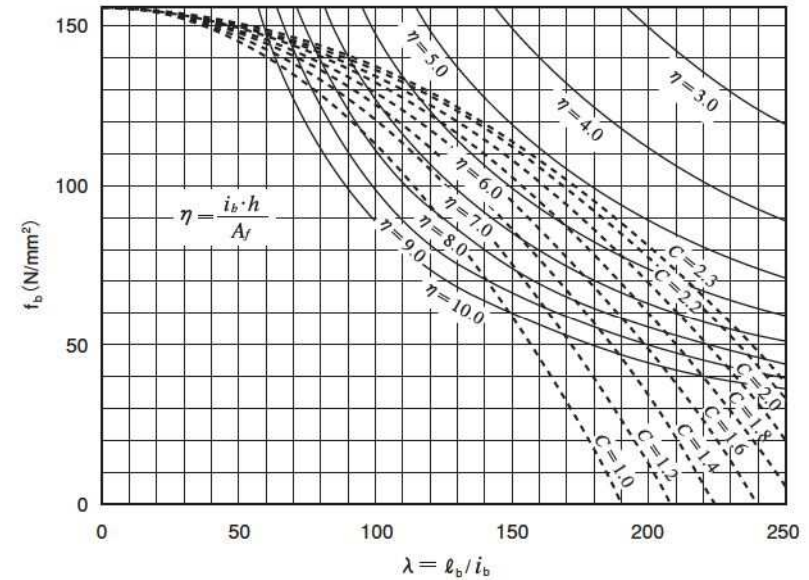


図1: f_b図

(2) 490N/mm²鋼材 (F=325N/mm², t≤40mm以下) の許容圧縮応力度及び許容曲げ応力度

表5: f_c表 (N/mm²)

λ _c	0	1	2	3	4	5	6	7	8	9
0	216	216	216	216	216	216	216	215	215	215
10	214	214	214	213	213	212	212	211	211	210
20	209	209	208	207	206	205	205	204	203	202
30	201	200	199	198	197	196	195	193	192	191
40	190	189	187	186	185	183	182	181	179	178
50	176	175	173	172	170	169	167	166	164	163
60	161	160	158	156	155	153	151	150	148	146
70	145	143	141	140	138	136	135	133	131	129
80	128	126	124	122	121	119	117	115	114	112
90	110	108	107	105	103	101	100	98.4	96.6	94.9
100	93.2	91.4	89.7	88.0	86.3	84.7	83.1	81.5	80.0	78.6
110	77.1	75.8	74.4	73.1	71.8	70.6	69.4	68.2	67.0	65.9
120	64.8	63.7	62.7	61.7	60.7	59.7	58.8	57.9	57.0	56.1
130	55.2	54.4	53.5	52.8	52.0	51.2	50.5	49.7	49.0	48.3
140	47.6	46.9	46.3	45.6	45.0	44.4	43.8	43.2	42.6	42.0
150	41.5	40.9	40.4	39.9	39.3	38.8	38.3	37.8	37.4	36.9
160	36.4	36.0	35.5	35.1	34.7	34.3	33.8	33.4	33.0	32.7
170	32.3	31.9	31.5	31.2	30.8	30.5	30.1	29.8	29.4	29.1
180	28.8	28.5	28.1	27.8	27.5	27.2	26.9	26.7	26.4	26.1
190	25.8	25.6	25.3	25.0	24.8	24.5	24.3	24.0	23.8	23.5
200	23.3	23.1	22.8	22.6	22.4	22.2	22.0	21.7	21.5	21.3
210	21.1	20.9	20.7	20.5	20.3	20.2	20.0	19.8	19.6	19.4
220	19.2	19.1	18.9	18.7	18.6	18.4	18.2	18.1	17.9	17.8
230	17.6	17.5	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.3
240	16.2	16.0	15.9	15.8	15.6	15.5	15.4	15.3	15.1	15.0
250	14.9									

表6: f_{bσ}表 (N/mm²)

λ _b	0	1	2	3	4	5	6	7	8	9
0	216	216	216	216	216	216	216	216	215	215
10	215	215	215	215	214	214	214	214	213	213
20	213	212	212	212	211	211	210	210	209	209
30	209	208	207	207	206	206	205	205	204	203
40	203	202	201	201	200	199	198	198	197	196
50	195	194	194	193	192	191	190	189	188	187
60	186	185	184	183	182	181	180	179	178	176
70	175	174	173	172	171	169	168	167	165	164
80	163	162	160	159	157	156	155	153	152	150
90	149	147	146	144	143	141	139	138	136	135
100	133	131	130	128	126	124	123	121	119	117
110	116	114	112	110	108	106	104	102	100	98.4
120	96.4	94.4	92.4	90.4	88.3	86.2	84.2	82.1	79.9	77.8
130	75.7	73.5	71.3	69.1	66.9	64.7	62.4	60.1	57.8	55.5
140	53.2	50.9	48.5	46.2	43.8	41.4	39.0	36.5	34.1	31.6
150	29.0									

表7: f'_{bβ}表 (N/mm²)

λ _b	0	1	2	3	4	5	6	7	8	9
0		89,000	44,500	29,667	22,250	17,800	14,833	12,714	11,125	9,889
10	8,900	8,091	7,417	6,846	6,357	5,933	5,563	5,235	4,944	4,684
20	4,450	4,238	4,045	3,870	3,708	3,560	3,423	3,296	3,179	3,069
30	2,967	2,871	2,781	2,697	2,618	2,543	2,472	2,405	2,342	2,282
40	2,225	2,171	2,119	2,070	2,023	1,978	1,935	1,894	1,854	1,816
50	1,780	1,745	1,712	1,679	1,648	1,618	1,589	1,561	1,534	1,508
60	1,483	1,459	1,435	1,413	1,391	1,369	1,348	1,328	1,309	1,290
70	1,271	1,254	1,236	1,219	1,203	1,187	1,171	1,156	1,141	1,127
80	1,113	1,099	1,085	1,072	1,060	1,047	1,035	1,023	1,011	1,000
90	989	978	967	957	947	937	927	918	908	899
100	890	881	873	864	856	848	840	832	824	817
110	809	802	795	788	781	774	767	761	754	748
120	742	736	730	724	718	712	706	701	695	690
130	685	679	674	669	664	659	654	650	645	640
140	636	631	627	622	618	614	610	605	601	597
150	593	589	586	582	578	574	571	567	563	560
160	556	553	549	546	543	539	536	533	530	527
170	524	520	517	514	511	509	506	503	500	497
180	494	492	489	486	484	481	478	476	473	471
190	468	466	464	461	459	456	454	452	449	447
200	445									

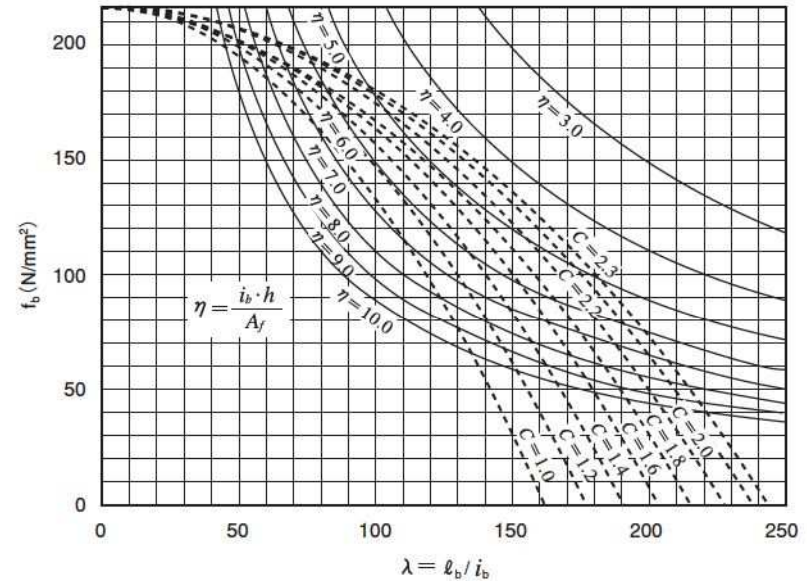


図2: f_b図