

Instrument	Date	Length of c2	Compass		Max	Min
Gottfried Silbermann	1749	307	EE	3e	1857	121
Johann Andreas Stein	1780	291	FF	3f	1699	115
Anton Walter	1781	290	FF	3f	1759	118
John Broadwood	1787	277	FF	3f	1679	103
Anton Walter	c. 1790	282	FF	3g	1735	105
Franz Joseph Wirth	c. 1790	275	FF	3f	1690	107
Ferdinand Hofmann	c. 1790	280	FF	3g	1629	100
M. & G. Stodart	1793	290	FF	3f	1721	104
Ferdinand Hofmann	c. 1795	273	FF	3g	1621	94
Ferdinand Hofmann	c. 1795	287	FF	3g	1636	102
Michael Rosenberger	c. 1795	281	FF	4c	1717	80
John Broadwood & Son.	1796	286	FF	4c	1739	81
Anton Walter	c. 1800	283	FF	4c	1740	78
Anton Walter	c. 1800	275	FF	4c	1738	73
John Broadwood	1802	272	CC	4c	1952	71
Johann Schmid	1803	275	FF	3f	1585	113
John Broadwood & Son.	1806	270	FF	4c	1723	75
Mateus Andreas Stein	c. 1805	276	FF	4f	1695	55
Nannette Streicher	1808	269	CC	4f	1959	48
Johann Jacob Konnicke	c. 1810	279	FF	4f	1737	57
Johann Schanz	c. 1815	268	FF	4f	1875	53
Johann Schanz	c. 1815	280	FF	4f	1816	60
Joseph Schmid	c. 1815	283	FF	3f	1657	99
Johann Fritz	c.1815	263	FF	4f	1713	55
Erard Freres	1817	274	FF	4f	1628	49
Conrad Graf	c. 1818	272	CC	4f	1962	50
William Stodart	c. 1818	281	CC	4c	1745	71
Erard Freres	c. 1818	280	FF	4f	1638	52
Johann Friedrich Marty	c. 1820	255	FF	4f	1692	54
Jacob Schmidt	c. 1820	280	FF	4f	1674	55
Conrad Graf	c. 1820	272	CC	4f	1926	54
Alois Graff	c. 1820	268	FF	4f	1717	54
Johann Georg Grober	c. 1820	272	FF	4f	1726	57
Nannette Streicher	1826	279	FF	4f	1860	55

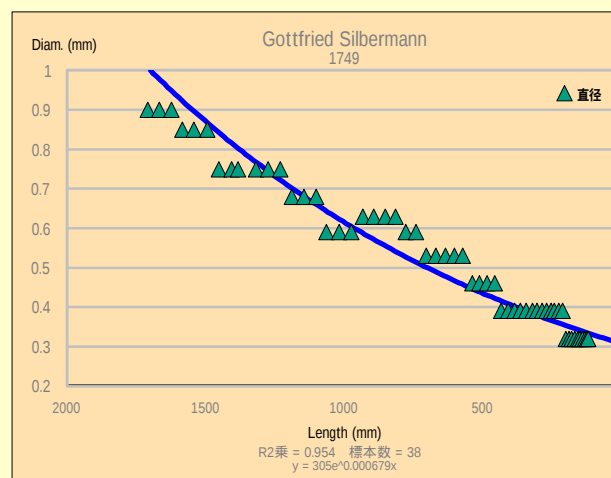
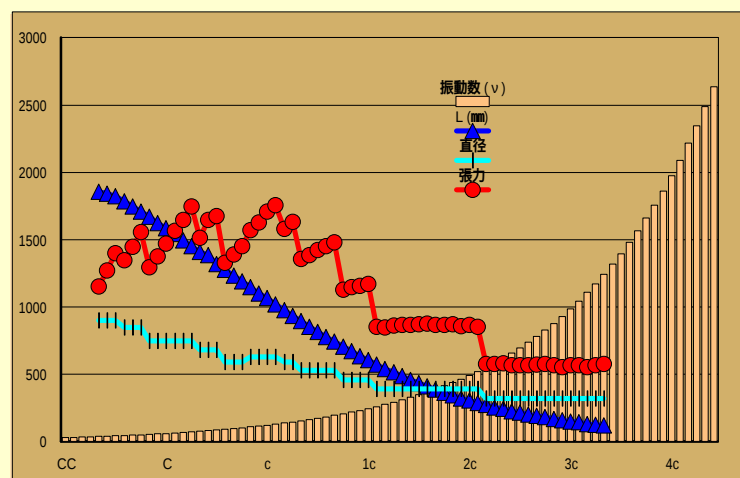
スケーリング

Gottfried Silbermann	Freyberg
415.0 Hz	

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1749	GERMANISCHES NATIONALMUSEUM	MI 86	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1840.0	b	0.90	8536	12.72			2	25.4	FF
C	61.69	1586.0	b	0.75	8536	14.73			2	29.5	C
F	82.35	1385.0	b	0.68	8536	16.46			2	32.9	F
c	123.38	1065.0	i	0.63	7769	17.07			2	34.1	c
f	164.69	854.0	i	0.53	7769	13.84			2	27.7	f
1c	246.76	604.0	i	0.46	7769	11.71			2	23.4	1c
1f	329.39	459.0	i	0.39	7769	8.66			2	17.3	1f
2c	493.52	307.0	i	0.39	7769	8.70			2	17.4	2c
2f	658.77	227.0	i	0.32	7769	5.70			2	11.4	2f
3c	987.04	151.0	i	0.32	7769	5.67			2	11.3	3c
3f	1317.54										3f
4c	1974.08										4c
4f	2635.09										4f



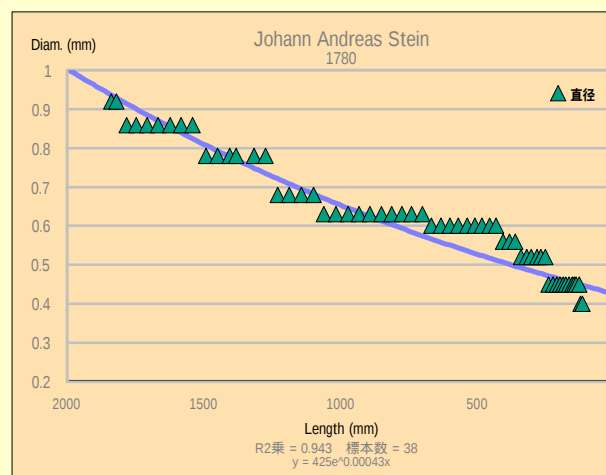
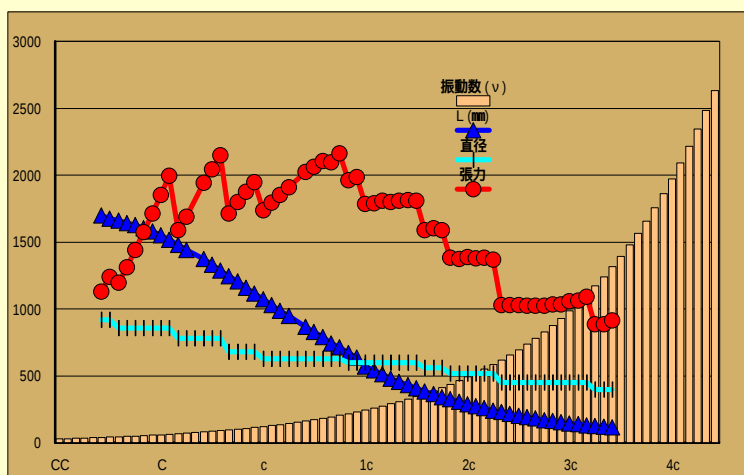
スケーリング

Johann Andreas Stein	Augsburg
415.0 Hz	

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1780	GERMANISCHES NATIONALMUSEUM	MIR 1104	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1699.0	b	0.92	8536	11.33			2	22.7	FF
C	61.69	1552.0	b	0.86	8536	18.55			2	37.1	C
F	82.35	1375.0	i	0.78	7769	19.43			2	38.9	F
c	123.38	1075.0	i	0.63	7769	17.39			2	34.8	c
f	164.69	869.0	i	0.63	7769	20.25			2	40.5	f
1c	246.76	572.0	i	0.60	7769	17.86			2	35.7	1c
1f	329.39	432.0	i	0.60	7769	18.15			2	36.3	1f
2c	493.52	291.0	i	0.52	7769	13.89			2	27.8	2c
2f	658.77	217.0	i	0.45	7769	10.31			2	20.6	2f
3c	987.04	147.0	i	0.45	7769	10.62			2	21.2	3c
3f	1317.54	115.0	i	0.40	7769	9.15			2	18.3	3f
4c	1974.08										4c
4f	2635.09										4f



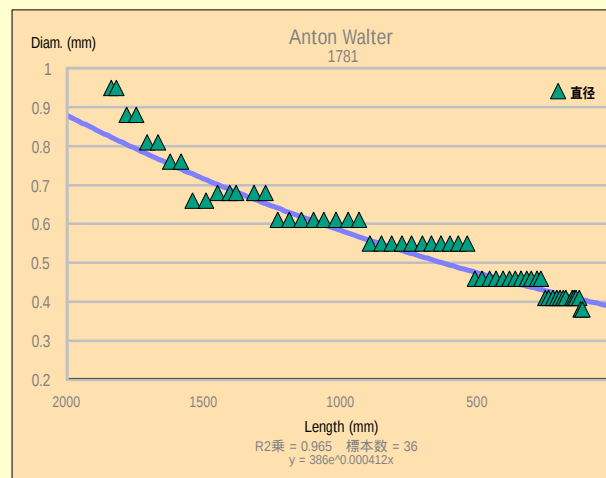
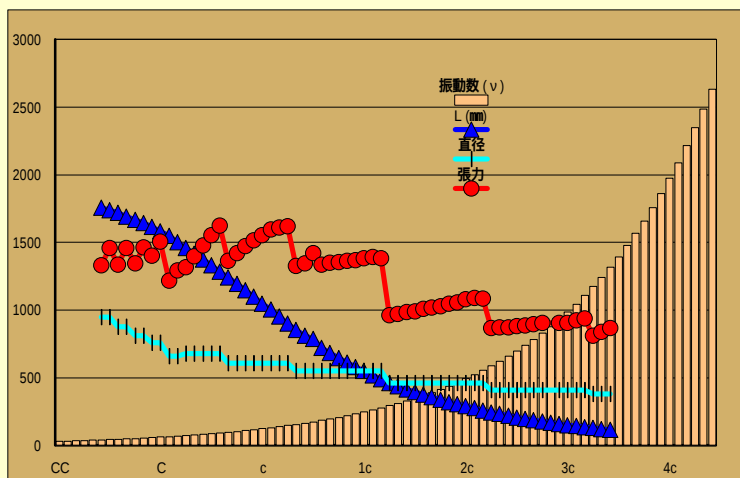
スケーリング

Anton Walter	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1781	Private collection, Marburg		measurements by Monika May, Malcolm Rose

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1759.0	r	0.95	8769	13.30			2	26.6	FF
C	61.69	1583.0	b	0.76	8536	15.07			2	30.1	C
F	82.35	1375.0	i	0.68	7769	14.77			2	29.5	F
c	123.38	1050.0	i	0.61	7769	15.55			2	31.1	c
f	164.69	811.0	i	0.55	7769	13.44			2	26.9	f
1c	246.76	549.0	i	0.55	7769	13.83			2	27.7	1c
1f	329.39	415.0	i	0.46	7769	9.85			2	19.7	1f
2c	493.52	290.0	i	0.46	7769	10.79			3	32.4	2c
2f	658.77	219.0	i	0.41	7769	8.71			3	26.1	2f
3c	987.04	149.0	i	0.41	7769	9.06			3	27.2	3c
3f	1317.54	118.0	i	0.38	7769	8.69			3	26.1	3f
4c	1974.08										4c
4f	2635.09										4f



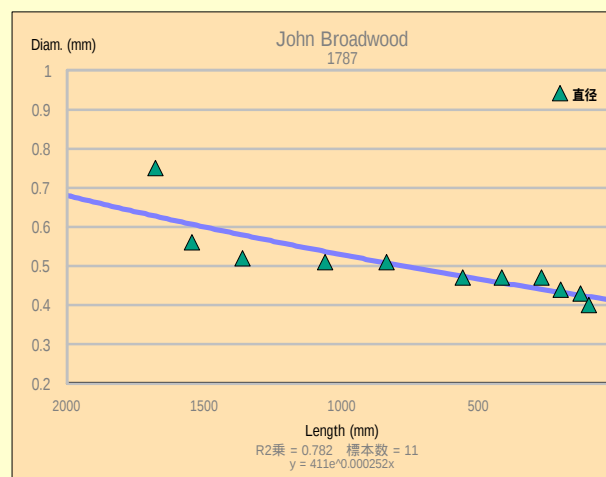
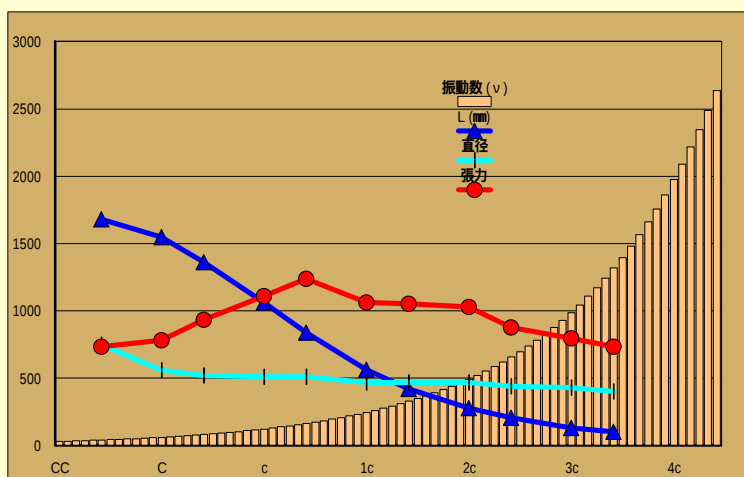
スケーリング

John Broadwood	London
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1787	Colt Clavier Collection		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1679.0	b	0.75	8536	7.35	169.0	0.101	2	14.7	FF
C	61.69	1547.0	b	0.56	8536	7.82	142.0	0.092	2	15.6	C
F	82.35	1364.0	b	0.52	8536	9.34	120.0	0.088	2	18.7	F
c	123.38	1062.0	i	0.51	7769	11.12	94.0	0.089	3	33.4	c
f	164.69	840.0	i	0.51	7769	12.40	77.0	0.092	3	37.2	f
1c	246.76	563.0	i	0.47	7769	10.62	54.0	0.096	3	31.9	1c
1f	329.39	420.0	i	0.47	7769	10.53	40.0	0.095	3	31.6	1f
2c	493.52	277.0	i	0.47	7769	10.28	24.0	0.087	3	30.8	2c
2f	658.77	205.0	i	0.44	7769	8.79	17.0	0.083	3	26.4	2f
3c	987.04	133.0	i	0.43	7769	7.94	11.0	0.083	3	23.8	3c
3f	1317.54	103.0	i	0.40	7769	7.34	11.0	0.107	3	22.0	3f
4c	1974.08										4c
4f	2635.09										4f



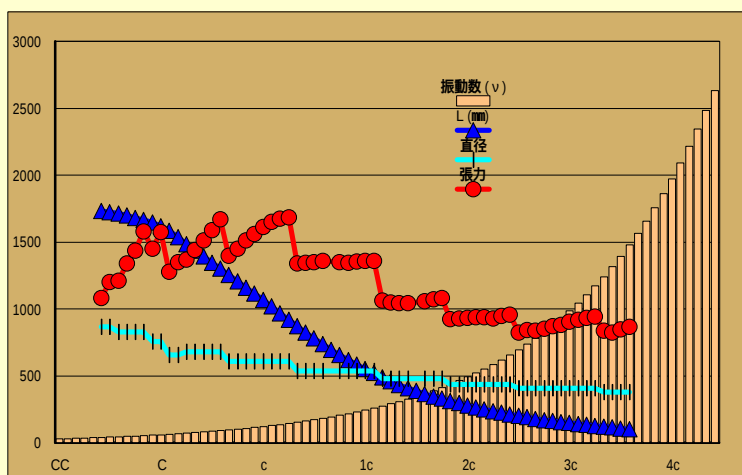
スケーリング

Anton Walter	Wien
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1790	WOLFGANG GAMERITH, Oberschutzen, Austria.		measurements by K. & S. Wittmayer, W. Gamerith

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1735.0	r	0.87	8769	10.86			2	21.7	FF
C	61.69	1619.0	b	0.76	8536	15.77			2	31.5	C
F	82.35	1393.0	i	0.68	7769	15.15			2	30.3	F
c	123.38	1070.0	i	0.61	7769	16.15			2	32.3	c
f	164.69	827.0	i	0.54	7769	13.47			2	26.9	f
1c	246.76	555.0	i	0.54	7769	13.62			2	27.2	1c
1f	329.39	410.0	i	0.48	7769	10.47			2	20.9	1f
2c	493.52	282.0	i	0.44	7769	9.34			3	28.0	2c
2f	658.77	214.0	i	0.44	7769	9.58			3	28.7	2f
3c	987.04	149.0	i	0.41	7769	9.06			3	27.2	3c
3f	1317.54	115.0	i	0.38	7769	8.26			3	24.8	3f
4c	1974.08										4c
4f	2635.09										4f



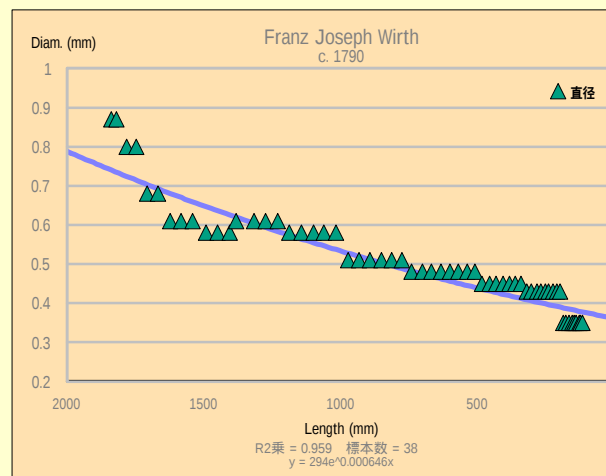
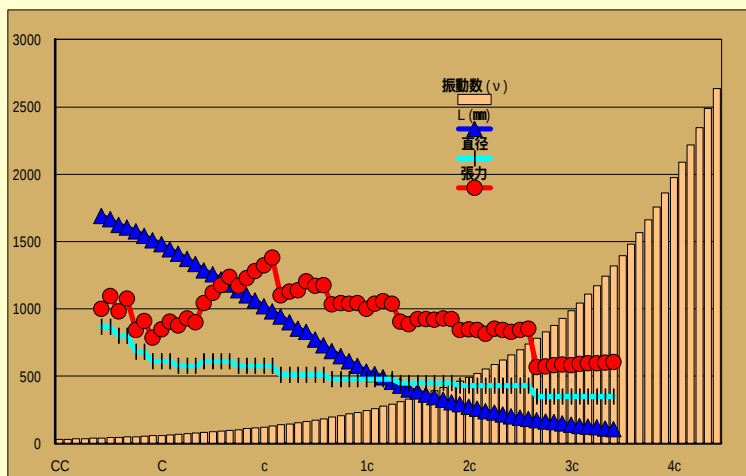
スケーリング

Franz Joseph Wirth	Augsburg
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1790	Private Collection, London.		measurements by Christopher Nobbs

音名	振動数 (ν)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1690.0	b	0.87	8536	10.03				0.0	FF
C	61.69	1480.0	b	0.61	8536	8.49			2	17.0	C
F	82.35	1288.0	i	0.61	7769	10.43			2	20.9	F
c	123.38	1018.0	i	0.58	7769	13.22			2	26.4	c
f	164.69	829.0	i	0.51	7769	12.07			2	24.1	f
1c	246.76	535.0	i	0.48	7769	10.00			2	20.0	1c
1f	329.39	403.0	i	0.45	7769	8.89			2	17.8	1f
2c	493.52	275.0	i	0.43	7769	8.48			2	17.0	2c
2f	658.77	204.0	i	0.43	7769	8.32			2	16.6	2f
3c	987.04	140.0	i	0.35	7769	5.83			2	11.7	3c
3f	1317.54	107.0	i	0.35	7769	6.06			2	12.1	3f
4c	1974.08										4c
4f	2635.09										4f



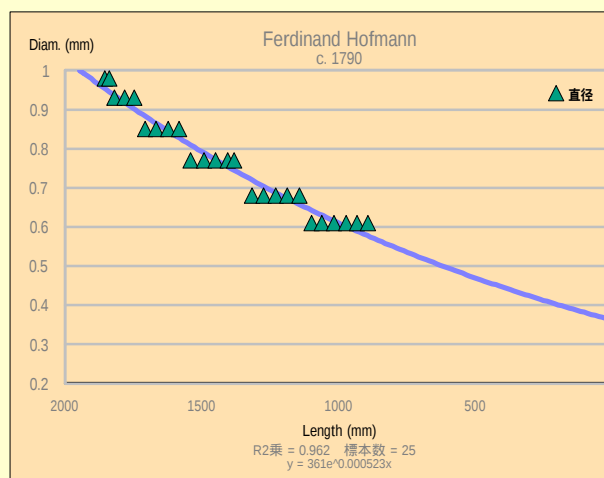
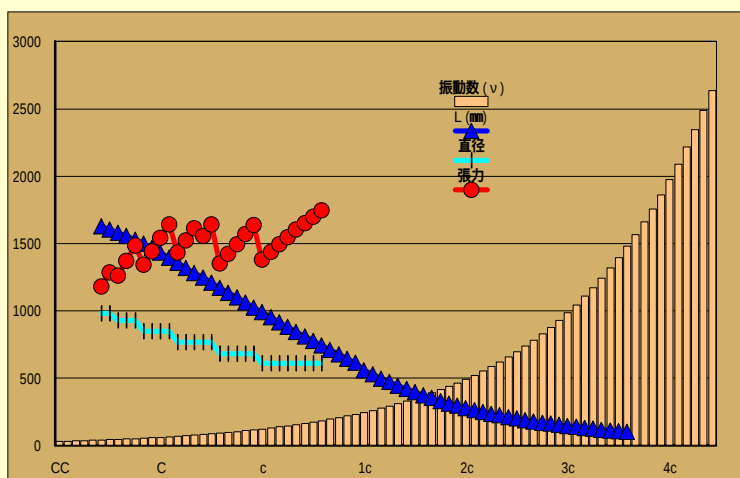
スケーリング

Ferdinand Hofmann	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1790	Private collection, GB		

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1629.0	b	0.98	8536	11.82			2	23.6	FF
C	61.69	1432.0	b	0.85	8536	15.43			2	30.9	C
F	82.35	1247.0	i	0.77	7769	15.57			2	31.1	F
c	123.38	989.0	i	0.61	7769	13.80			2	27.6	c
f	164.69	811.0	i	0.61	7769	16.53			2	33.1	f
1c	246.76	558.0	i		7769				2		1c
1f	329.39	419.0	i		7769				2		1f
2c	493.52	280.0	i		7769				3		2c
2f	658.77	212.0	i		7769				3		2f
3c	987.04	145.0	i		7769				3		3c
3f	1317.54	111.0	i		7769				3		3f
4c	1974.08										4c
4f	2635.09										4f



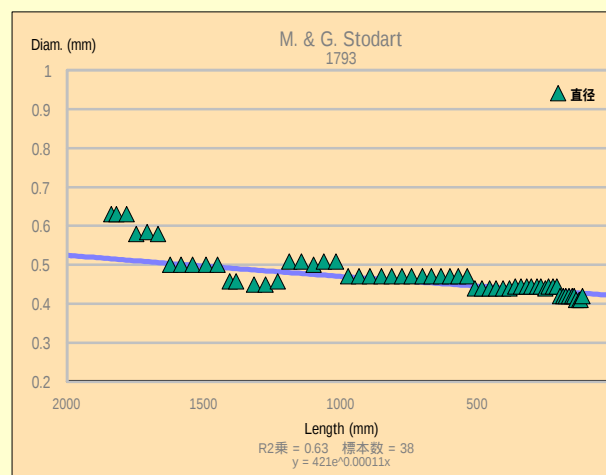
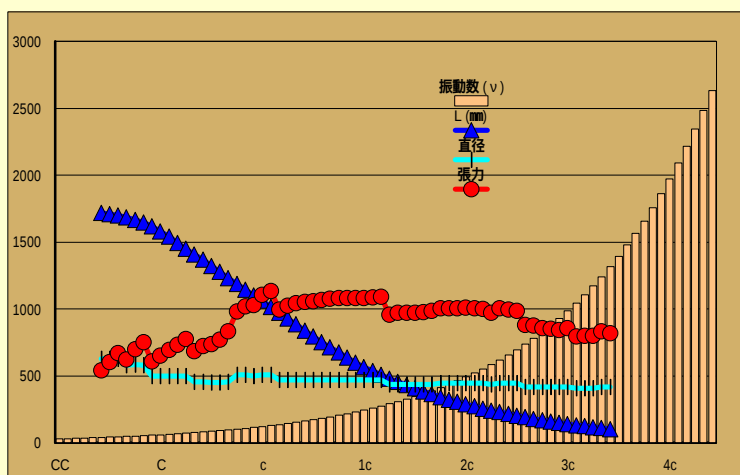
スケーリング

M. & G. Stodart	London
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1793	Private collection, Australia.		

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1721.0	b	0.63	8536	5.45			3	16.4	FF
C	61.69	1582.0	b	0.50	8536	6.52			3	19.6	C
F	82.35	1369.0	b	0.46	8536	7.26			3	21.8	F
c	123.38	1064.0	i	0.51	7769	11.08			3	33.2	c
f	164.69	841.0	i	0.47	7769	10.55			3	31.7	f
1c	246.76	569.0	i	0.47	7769	10.85			3	32.6	1c
1f	329.39	431.0	i	0.44	7769	9.72			3	29.2	1f
2c	493.52	290.0	i	0.45	7769	10.10			3	30.3	2c
2f	658.77	216.0	i	0.45	7769	9.99			3	30.0	2f
3c	987.04	142.0	i	0.42	7769	8.59			3	25.8	3c
3f	1317.54	104.0	i	0.42	7769	8.21			3	24.6	3f
4c	1974.08										4c
4f	2635.09										4f



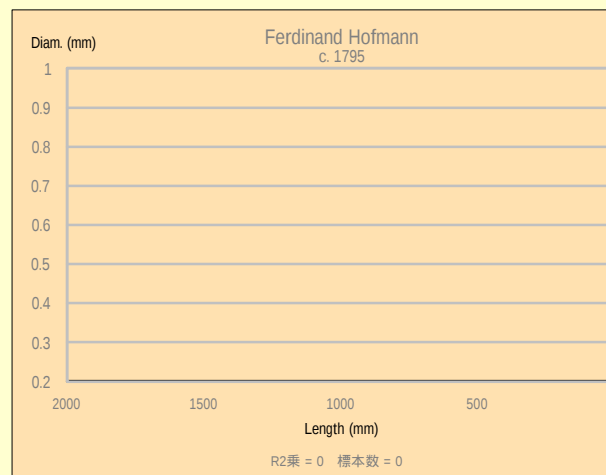
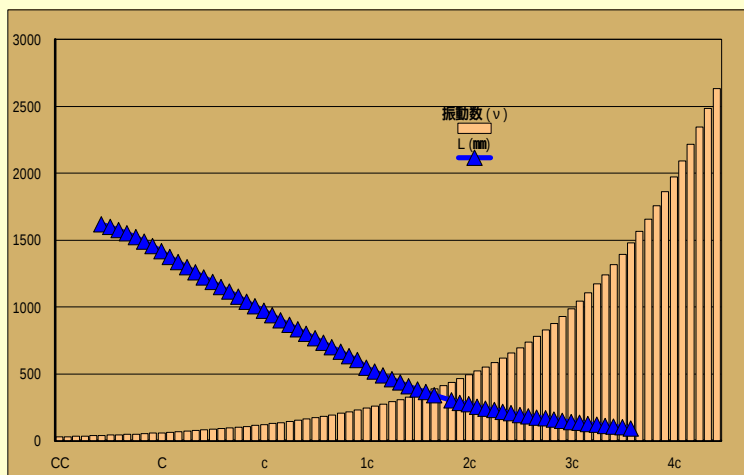
スケーリング

Ferdinand Hofmann	Wien
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1795			

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1621.0									FF
C	61.69	1417.0									C
F	82.35	1224.0									F
c	123.38	973.0									c
f	164.69	800.0									f
1c	246.76	548.0									1c
1f	329.39	410.0									1f
2c	493.52	273.0									2c
2f	658.77	207.0									2f
3c	987.04	143.0									3c
3f	1317.54	107.0									3f
4c	1974.08										4c
4f	2635.09										4f



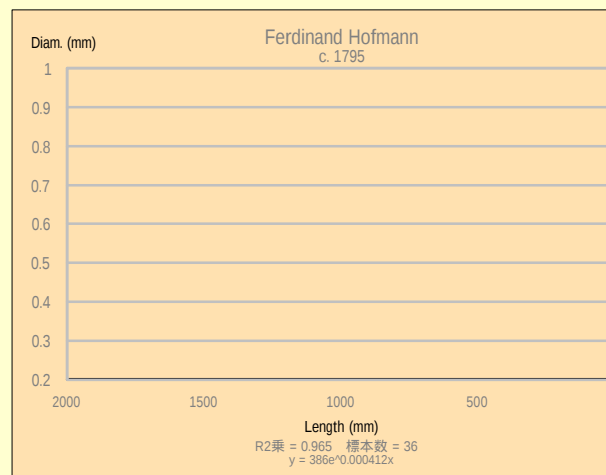
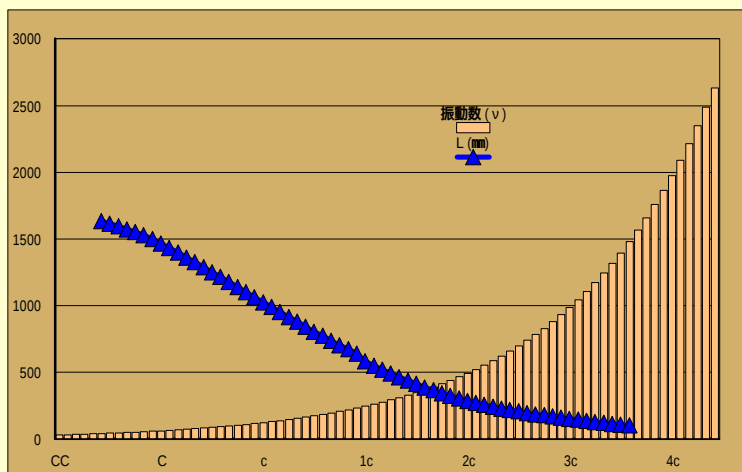
スケーリング

Ferdinand Hofmann	Wien
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1795			

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1636.0									FF
C	61.69	1467.0									C
F	82.35	1289.0									F
c	123.38	1026.0									c
f	164.69	842.0									f
1c	246.76	582.0									1c
1f	329.39	439.0									1f
2c	493.52	287.0									2c
2f	658.77	218.0									2f
3c	987.04	152.0									3c
3f	1317.54	114.0									3f
4c	1974.08										4c
4f	2635.09										4f



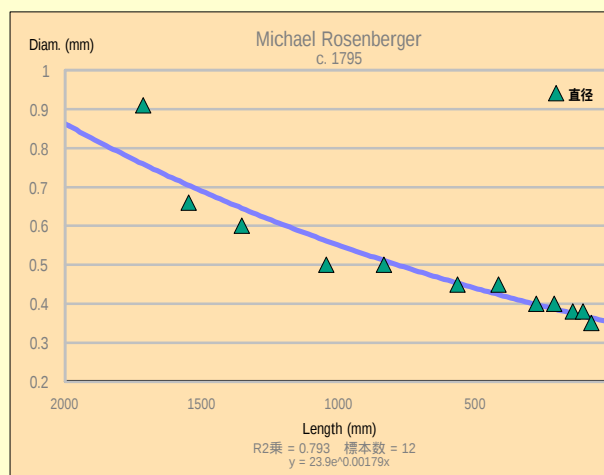
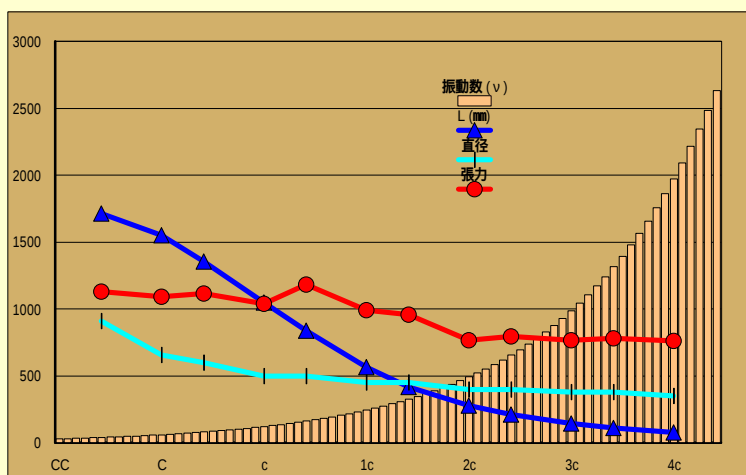
スケーリング

Michael Rosenberger	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1795	Finchcocks Collection		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1717.0	b	0.91	8536	11.32			2	22.6	FF
C	61.69	1551.0	b	0.66	8536	10.91			2	21.8	C
F	82.35	1356.0	i	0.60	7769	11.18			2	22.4	F
c	123.38	1049.0	i	0.50	7769	10.43			2	20.9	c
f	164.69	838.0	i	0.50	7769	11.86			2	23.7	f
1c	246.76	568.0	i	0.45	7769	9.91			2	19.8	1c
1f	329.39	419.0	i	0.45	7769	9.61			2	19.2	1f
2c	493.52	281.0	i	0.40	7769	7.66			3	23.0	2c
2f	658.77	215.0	i	0.40	7769	7.99			3	24.0	2f
3c	987.04	148.0	i	0.38	7769	7.67			3	23.0	3c
3f	1317.54	112.0	i	0.38	7769	7.83			3	23.5	3f
4c	1974.08	80.0	i	0.35	7769	7.61			3	22.8	4c
4f	2635.09										4f



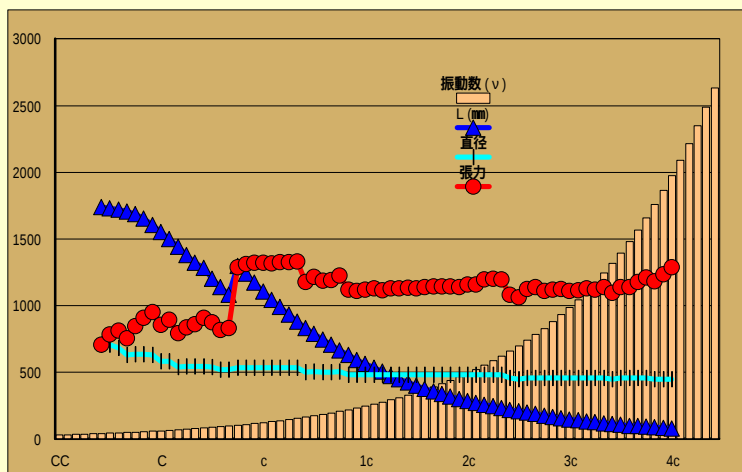
スケーリング

John Broadwood & Son.	London
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1796	JOHN WATSON, Cary, North Carolina, USA.		Maker No. 1246

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1739.0	b	0.71	8536	7.07			3	21.2	FF
C	61.69	1554.0	b	0.58	8536	8.58			3	25.7	C
F	82.35	1282.0	b	0.55	8536	9.09			3	27.3	F
c	123.38	1108.0	i	0.53	7769	13.22			3	39.7	c
f	164.69	835.0	i	0.50	7769	11.77			3	35.3	f
1c	246.76	563.0	i	0.48	7769	11.21			3	33.6	1c
1f	329.39	424.0	i	0.48	7769	11.33			3	34.0	1f
2c	493.52	286.0	i	0.48	7769	11.58			3	34.7	2c
2f	658.77	219.0	i	0.46	7769	10.83			3	32.5	2f
3c	987.04	148.0	i	0.46	7769	11.10			3	33.3	3c
3f	1317.54	112.0	i	0.45	7769	10.98			3	32.9	3f
4c	1974.08	81.0	i	0.45	7769	12.89			3	38.7	4c
4f	2635.09										4f



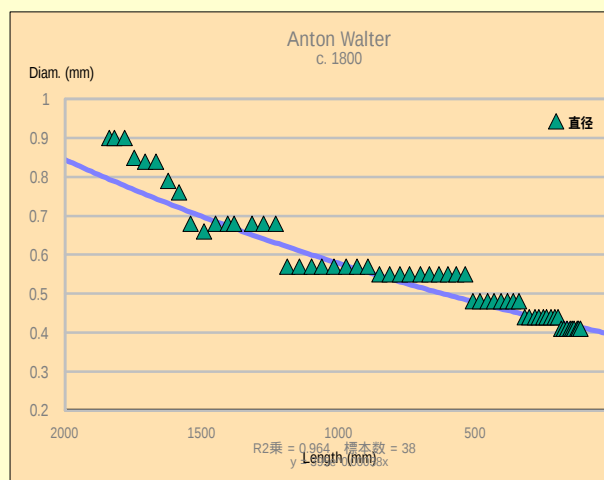
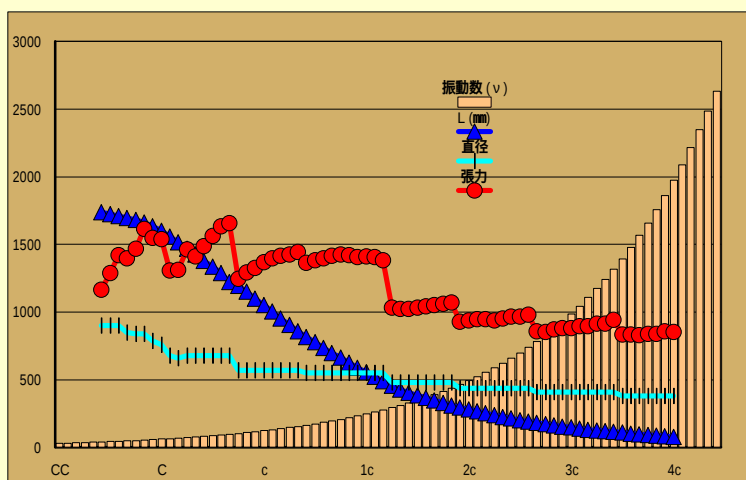
スケーリング

Anton Walter	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1800	Private ownership, Austria.		

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1740.0	r	0.90	8769	11.68			2	23.4	FF
C	61.69	1600.0	b	0.76	8536	15.40			2	30.8	C
F	82.35	1380.0	i	0.68	7769	14.87			2	29.7	F
c	123.38	1055.0	i	0.57	7769	13.71			2	27.4	c
f	164.69	817.0	i	0.55	7769	13.64			2	27.3	f
1c	246.76	555.0	i	0.55	7769	14.13			2	28.3	1c
1f	329.39	406.0	i	0.48	7769	10.26			2	20.5	1f
2c	493.52	283.0	i	0.44	7769	9.41			3	28.2	2c
2f	658.77	215.0	i	0.44	7769	9.67			3	29.0	2f
3c	987.04	147.0	i	0.41	7769	8.81			3	26.4	3c
3f	1317.54	114.0	i	0.41	7769	9.44			3	28.3	3f
4c	1974.08	78.0	i	0.38	7769	8.53			3	25.6	4c
4f	2635.09										4f



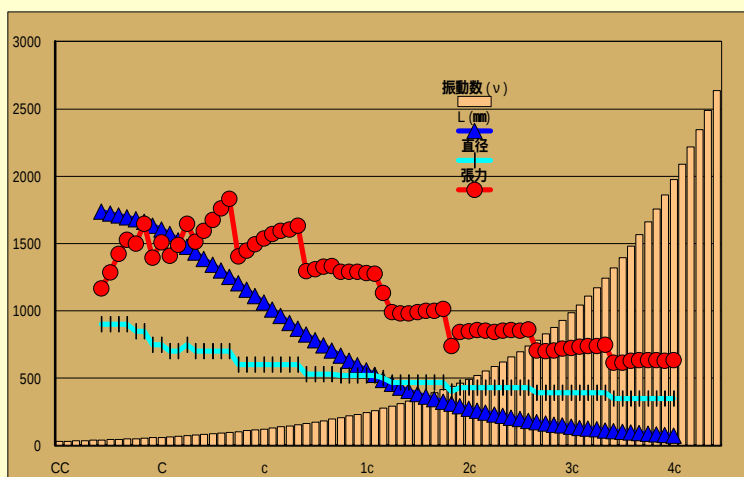
スケーリング

Anton Walter	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1800	Min-on		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1738.0	r	0.90	8769	11.66			2	23.3	FF
C	61.69	1606.0	b	0.75	8536	15.11			2	30.2	C
F	82.35	1388.0	i	0.70	7769	15.94			2	31.9	F
c	123.38	1062.0	i	0.60	7769	15.39			2	30.8	c
f	164.69	826.0	i	0.53	7769	12.95			2	25.9	f
1c	246.76	559.0	i	0.52	7769	12.81			2	25.6	1c
1f	329.39	406.0	i	0.47	7769	9.84			2	19.7	1f
2c	493.52	275.0	i	0.43	7769	8.48			3	25.4	2c
2f	658.77	207.0	i	0.43	7769	8.56			3	25.7	2f
3c	987.04	140.0	i	0.39	7769	7.23			3	21.7	3c
3f	1317.54	108.0	i	0.35	7769	6.18			3	18.5	3f
4c	1974.08	73.0	i	0.35	7769	6.34			3	19.0	4c
4f	2635.09										4f



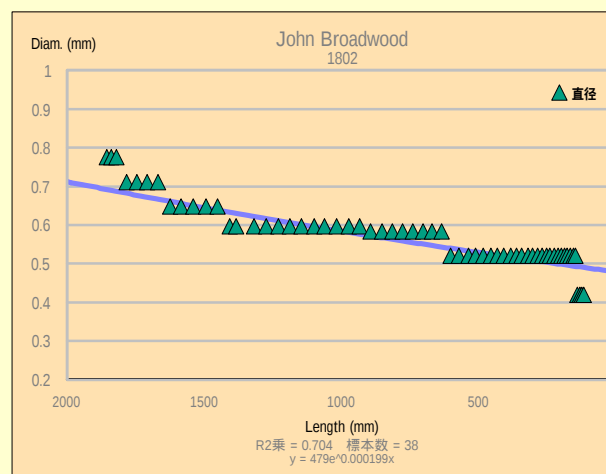
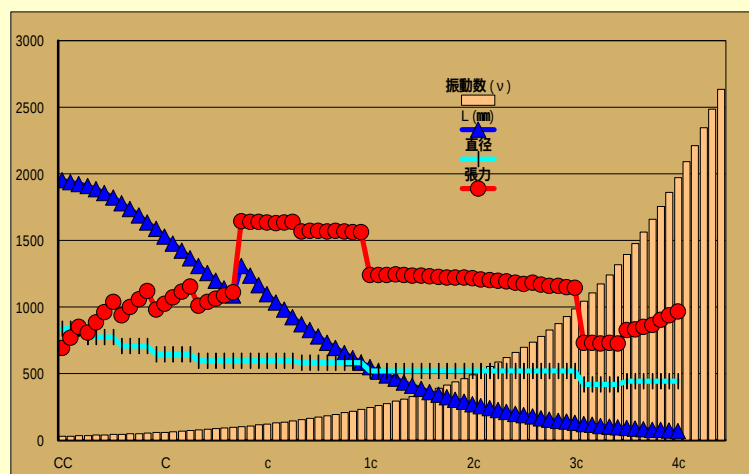
スケーリング

John Broadwood	London
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1802	Private collection, GB.		Maker No. 2443

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85	1952.0	b	0.84	8536	6.97			3	20.9	CC
FF	41.17	1860.0	b	0.78	8536	9.64			3	28.9	FF
C	61.69	1533.0	b	0.65	8536	10.28			3	30.8	C
F	82.35	1255.0	b	0.60	8536	10.42			3	31.3	F
c	123.38	1100.0	i	0.60	7769	16.35			3	49.1	c
f	164.69	827.0	i	0.58	7769	15.76			3	47.3	f
1c	246.76	550.0	i	0.52	7769	12.45			3	37.4	1c
1f	329.39	411.0	i	0.52	7769	12.39			3	37.2	1f
2c	493.52	272.0	i	0.52	7769	12.18			3	36.5	2c
2f	658.77	201.0	i	0.52	7769	11.85			3	35.6	2f
3c	987.04	132.0	i	0.52	7769	11.48			3	34.4	3c
3f	1317.54	98.0	i	0.42	7769	7.29			3	21.9	3f
4c	1974.08	71.0	i	0.45	7769	9.69			3	29.1	4c
4f	2635.09										4f



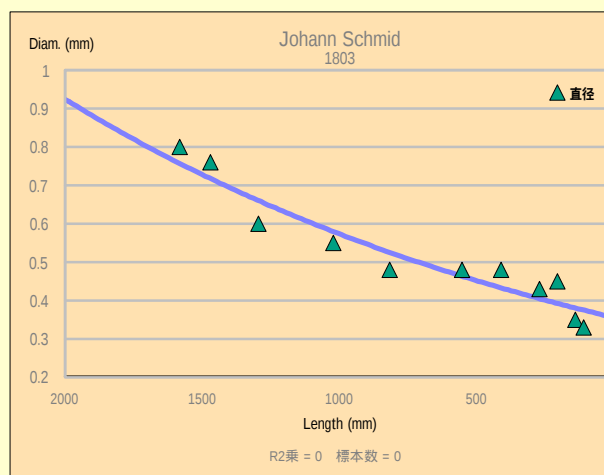
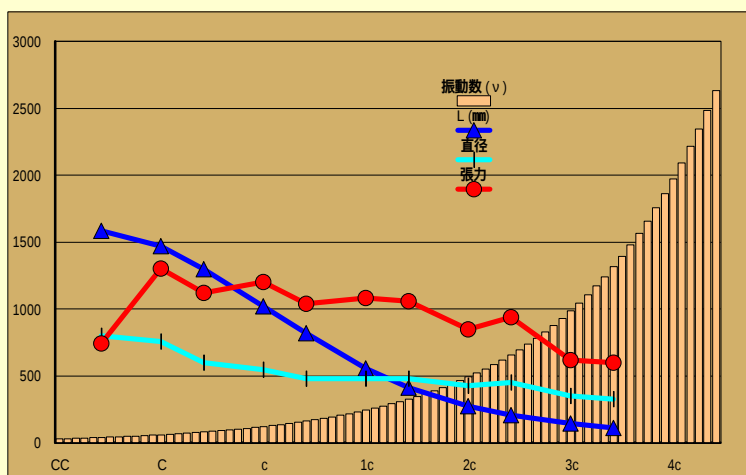
スケーリング

Johann Schmid	Salzburg
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1803	Salzburger Museum Carolino Augusteum		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1585.0	b	0.80	8536	7.46	139.0	0.088		0.0	FF
C	61.69	1472.0	b	0.76	8536	13.03	111.0	0.075		0.0	C
F	82.35	1297.0	b	0.60	8536	11.24	95.0	0.073		0.0	F
c	123.38	1023.5	i	0.55	7769	12.01	73.0	0.071		0.0	c
f	164.69	818.5	i	0.48	7769	10.43	59.0	0.072		0.0	f
1c	246.76	556.5	i	0.48	7769	10.82	43.0	0.077		0.0	1c
1f	329.39	413.0	i	0.48	7769	10.62	34.0	0.082		0.0	1f
2c	493.52	275.0	i	0.43	7769	8.48	22.0	0.080		0.0	2c
2f	658.77	207.5	i	0.45	7769	9.42	15.5	0.075		0.0	2f
3c	987.04	144.5	i	0.35	7769	6.21	10.0	0.069		0.0	3c
3f	1317.54	113.0	i	0.33	7769	6.01	8.0	0.071		0.0	3f
4c	1974.08										4c
4f	2635.09										4f



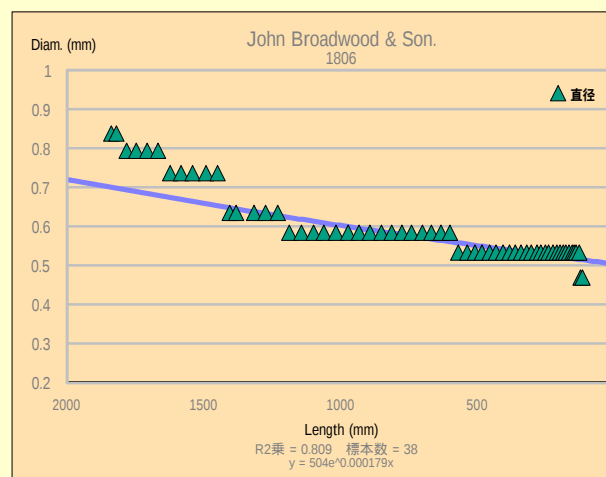
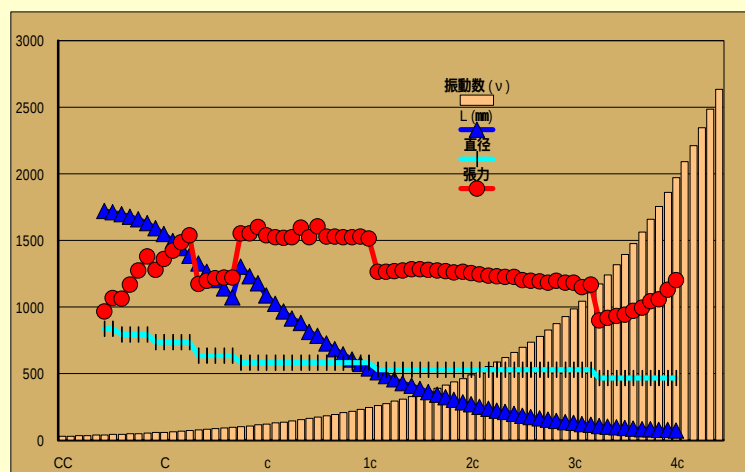
スケーリング

John Broadwood & Son.	London
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1806	COLONIAL WILLIAMSBURG FOUNDATION		Maker's No. 3541

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1723.0	b	0.84	8536	9.67			3	29.0	FF
C	61.69	1551.0	b	0.74	8536	13.61			3	40.8	C
F	82.35	1267.0	b	0.64	8536	12.01			3	36.0	F
c	123.38	1091.0	i	0.58	7769	15.39			3	46.2	c
f	164.69	814.0	i	0.58	7769	15.27			3	45.8	f
1c	246.76	542.0	i	0.58	7769	15.19			3	45.6	1c
1f	329.39	409.0	i	0.53	7769	12.84			3	38.5	1f
2c	493.52	270.0	i	0.53	7769	12.56			3	37.7	2c
2f	658.77	200.0	i	0.53	7769	12.28			3	36.8	2f
3c	987.04	131.0	i	0.53	7769	11.83			3	35.5	3c
3f	1317.54	99.0	i	0.47	7769	9.36			3	28.1	3f
4c	1974.08	75.0	i	0.47	7769	12.06			3	36.2	4c
4f	2635.09										4f



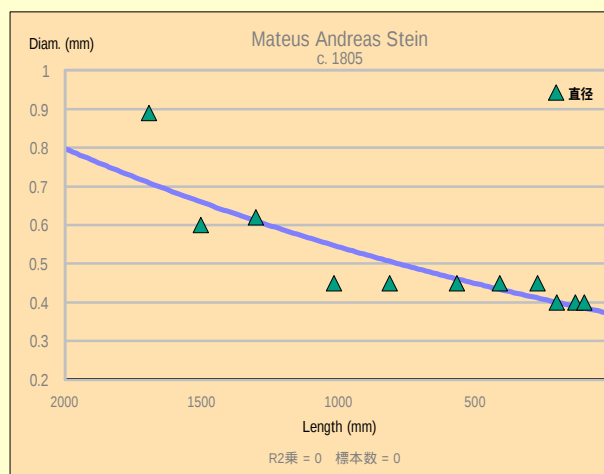
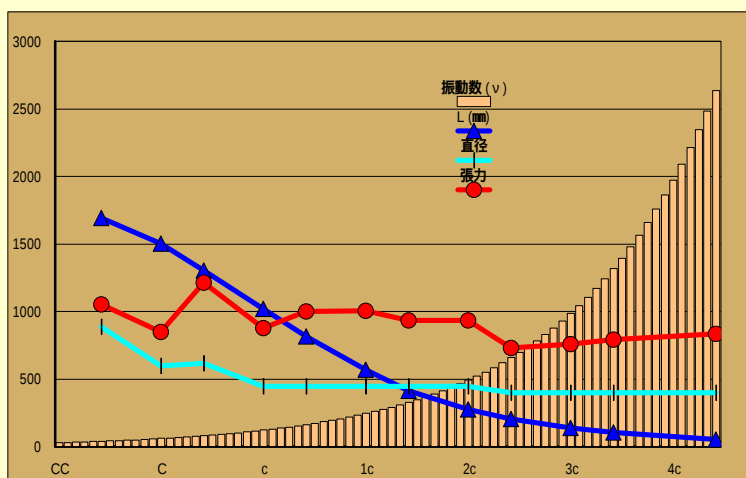
スケーリング

Mateus Andreas Stein	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1805	Colt Clavier Collection		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1695.0	b	0.89	8536	10.56	138.0	0.081	2	21.1	FF
C	61.69	1507.0	b	0.60	8536	8.51	115.0	0.076	2	17.0	C
F	82.35	1305.0	b	0.62	8536	12.15	100.0	0.077	2	24.3	F
c	123.38	1020.0	b	0.45	8536	8.78	82.0	0.080	3	26.3	c
f	164.69	816.0	b	0.45	8536	10.01	68.0	0.083	3	30.0	f
1c	246.76	572.0	i	0.45	7769	10.05	50.0	0.087	3	30.2	1c
1f	329.39	414.0	i	0.45	7769	9.38	35.0	0.085	3	28.1	1f
2c	493.52	276.0	i	0.45	7769	9.36	26.0	0.094	3	28.1	2c
2f	658.77	206.0	i	0.40	7769	7.34	15.0	0.073	3	22.0	2f
3c	987.04	140.0	i	0.40	7769	7.61	9.5	0.068	3	22.8	3c
3f	1317.54	107.0	i	0.40	7769	7.92	5.5	0.051	3	23.8	3f
4c	1974.08										4c
4f	2635.09	55.0	i	0.40	7769	8.37	4.0	0.073	3	25.1	4f



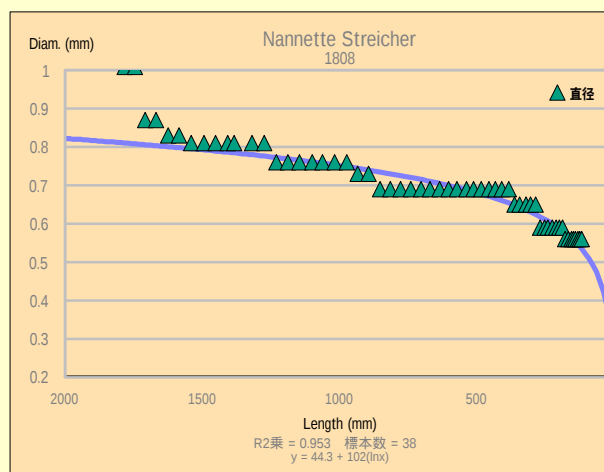
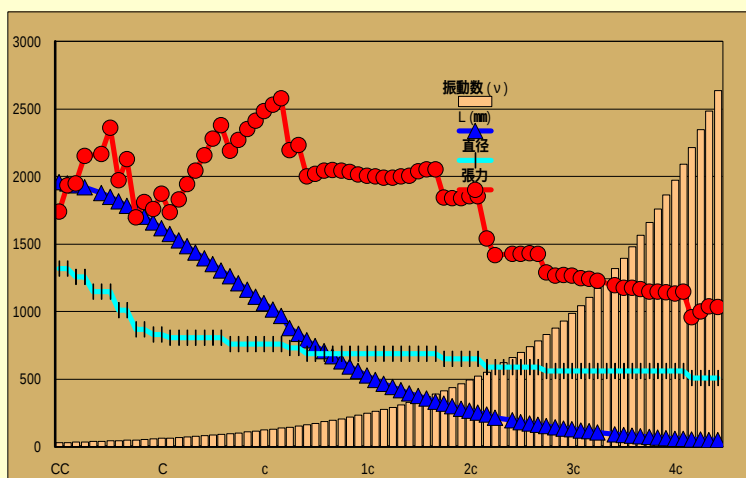
スケーリング

Nannette Streicher	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1808	GERMANISCUES NATIONALMUSEUM	MIR 1117	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85	1959.0	b	1.32	8536	17.41			2	34.8	CC
FF	41.17	1879.0	b	1.15	8536	21.66			2	43.3	FF
C	61.69	1617.0	b	0.83	8536	18.76			2	37.5	C
F	82.35	1396.0	i	0.81	7769	21.60			3	64.8	F
c	123.38	1065.0	i	0.76	7769	24.84			3	74.5	c
f	164.69	789.0	i	0.69	7769	20.02			3	60.1	f
1c	246.76	527.0	i	0.69	7769	20.05			3	60.2	1c
1f	329.39	395.0	i	0.69	7769	20.07			3	60.2	1f
2c	493.52	269.0	i	0.65	7769	18.55			3	55.7	2c
2f	658.77	195.0	i	0.59	7769	14.31			3	42.9	2f
3c	987.04	129.0	i	0.56	7769	12.66			3	38.0	3c
3f	1317.54	94.0	i	0.56	7769	11.98			3	35.9	3f
4c	1974.08	61.0	i	0.56	7769	11.33			3	34.0	4c
4f	2635.09	48.0	i	0.51	7769	10.36			3	31.1	4f



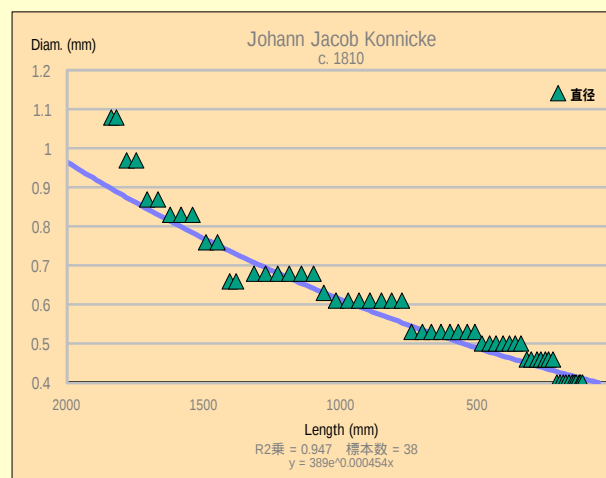
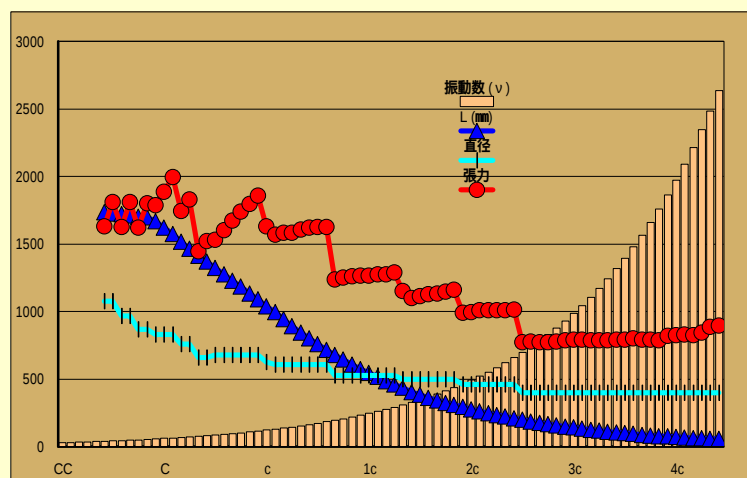
スケーリング

Johann Jacob Konnicke	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1810	GERMANISCHES NATIONALMUSEUM	MIR 1112	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1737.0	b	1.08	8536	16.32			2	32.6	FF
C	61.69	1623.0	b	0.83	8536	18.90			2	37.8	C
F	82.35	1372.0	b	0.66	8536	15.22			2	30.4	F
c	123.38	1042.0	i	0.63	7769	16.34			2	32.7	c
f	164.69	803.0	i	0.61	7769	16.21			2	32.4	f
1c	246.76	546.0	i	0.53	7769	12.70			2	25.4	1c
1f	329.39	404.0	i	0.50	7769	11.03			2	22.1	1f
2c	493.52	279.0	i	0.46	7769	9.99			3	30.0	2c
2f	658.77	211.0	i	0.46	7769	10.18			3	30.5	2f
3c	987.04	143.0	i	0.40	7769	7.94			3	23.8	3c
3f	1317.54	107.0	i	0.40	7769	7.92			3	23.8	3f
4c	1974.08	73.0	i	0.40	7769	8.28			3	24.8	4c
4f	2635.09	57.0	i	0.40	7769	8.99			3	27.0	4f



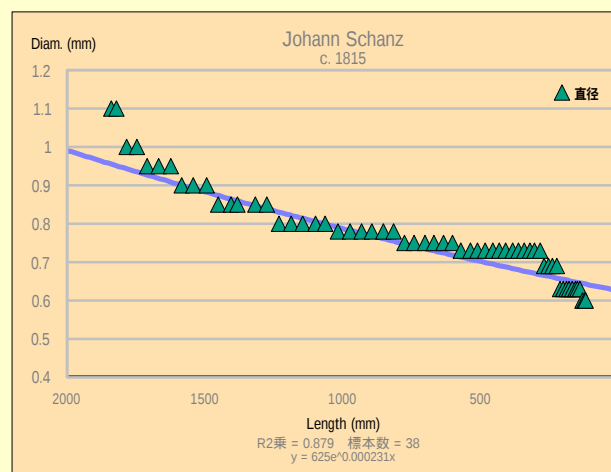
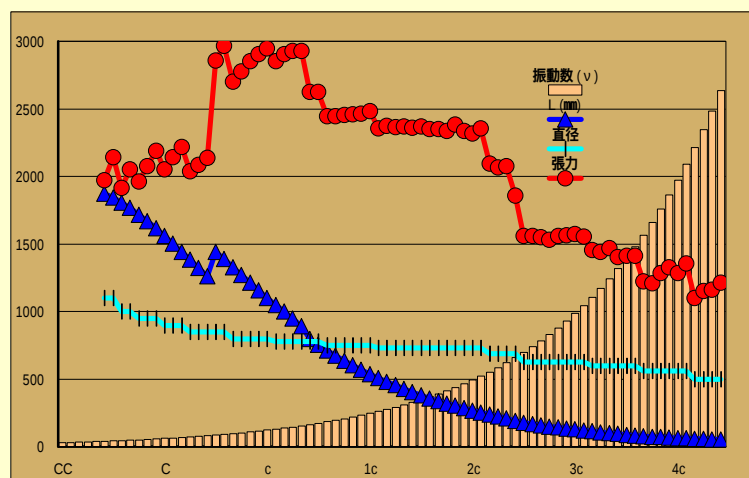
スケーリング

Johann Schanz	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1815	Private ownership, Germany		Maker's No. 36

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1875.0	b	1.10	8536	19.73			3	59.2	FF
C	61.69	1560.0	b	0.90	8536	20.53			3	61.6	C
F	82.35	1263.0	b	0.85	8536	21.39			3	64.2	F
c	123.38	1103.0	i	0.80	7769	29.52			3	88.6	c
f	164.69	800.0	i	0.78	7769	26.30			3	78.9	f
1c	246.76	540.0	i	0.75	7769	24.87			3	74.6	1c
1f	329.39	405.0	i	0.73	7769	23.62			3	70.9	1f
2c	493.52	268.0	i	0.73	7769	23.22			3	69.7	2c
2f	658.77	190.0	i	0.69	7769	18.58			3	55.7	2f
3c	987.04	128.0	i	0.63	7769	15.78			3	47.3	3c
3f	1317.54	95.0	i	0.60	7769	14.05			3	42.2	3f
4c	1974.08	65.0	i	0.56	7769	12.86			3	38.6	4c
4f	2635.09	53.0	i	0.50	7769	12.14			3	36.4	4f



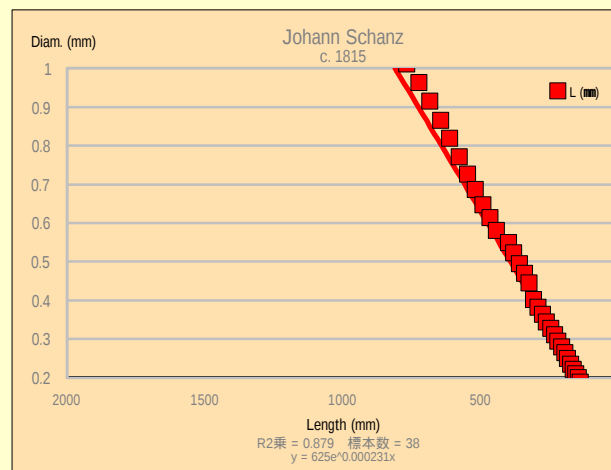
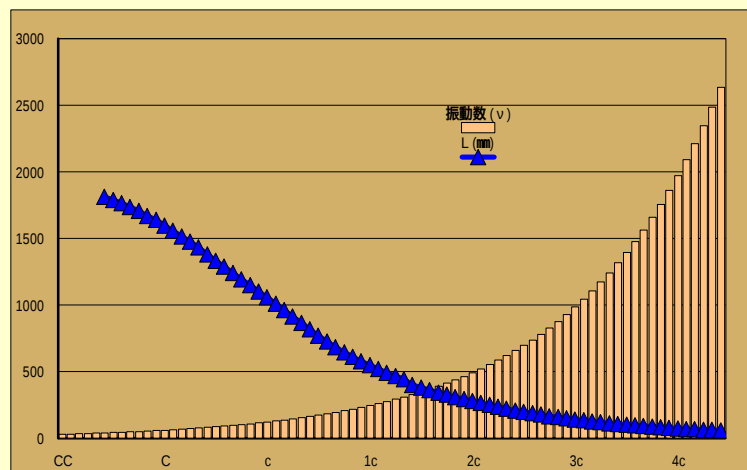
スケーリング

Johann Schanz	Wien
	415.0 Hz

r(レッドブラス)	8769
b(ブラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1815	Wolfgang Gamerith, Austria		

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85								2		CC
FF	41.17	1816.0							2		FF
C	61.69	1600.0							2		C
F	82.35	1382.0							3		F
c	123.38	1060.0							3		c
f	164.69	821.0							3		f
1c	246.76	550.0							3		1c
1f	329.39	403.0							3		1f
2c	493.52	280.0							3		2c
2f	658.77	211.0							3		2f
3c	987.04	142.0							3		3c
3f	1317.54	108.0							3		3f
4c	1974.08	75.0							3		4c
4f	2635.09	60.0							3		4f



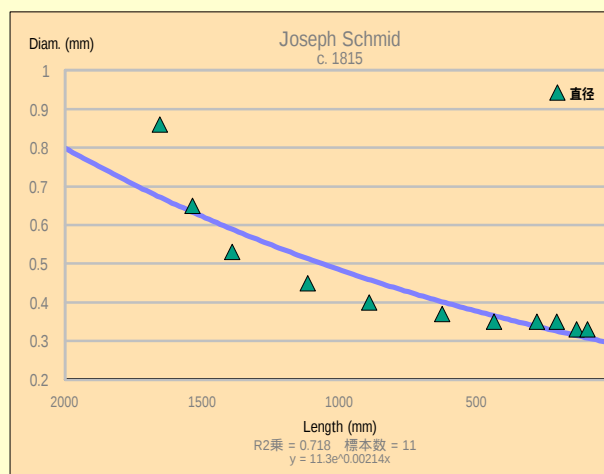
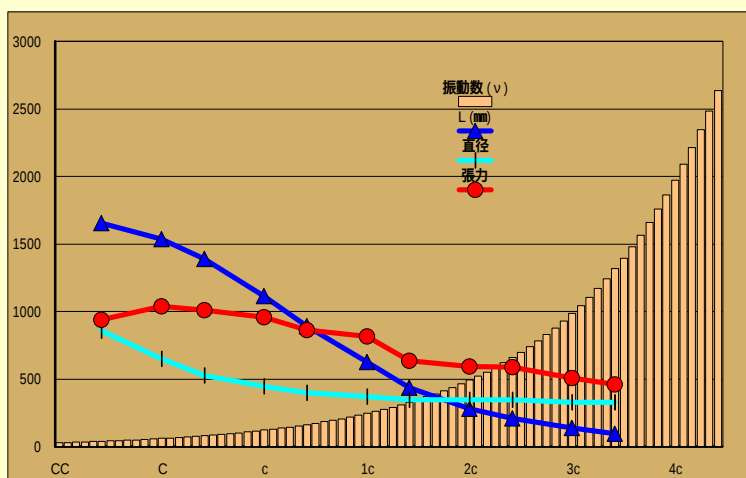
スケーリング

Joseph Schmid	Salzburg
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1815	Salzburger Museum Carolino Augusteum		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1657.0	b	0.86	8536	9.42	134.0	0.081	2	18.8	FF
C	61.69	1538.0	b	0.65	8536	10.41	125.0	0.081	2	20.8	C
F	82.35	1392.0	b	0.53	8536	10.10	118.0	0.085	2	20.2	F
c	123.38	1118.0	i	0.45	7769	9.60	104.0	0.093	2	19.2	c
f	164.69	895.0	i	0.40	7769	8.66	94.0	0.105	2	17.3	f
1c	246.76	628.0	i	0.37	7769	8.19	76.0	0.121	2	16.4	1c
1f	329.39	439.0	i	0.35	7769	6.38	61.0	0.139	3	19.1	1f
2c	493.52	283.0	i	0.35	7769	5.95	41.0	0.145	3	17.9	2c
2f	658.77	211.0	i	0.35	7769	5.89	30.0	0.142	3	17.7	2f
3c	987.04	139.0	i	0.33	7769	5.11	20.0	0.144	3	15.3	3c
3f	1317.54	99.0	i	0.33	7769	4.61	12.0	0.121	3	13.8	3f
4c	1974.08										4c
4f	2635.09										4f



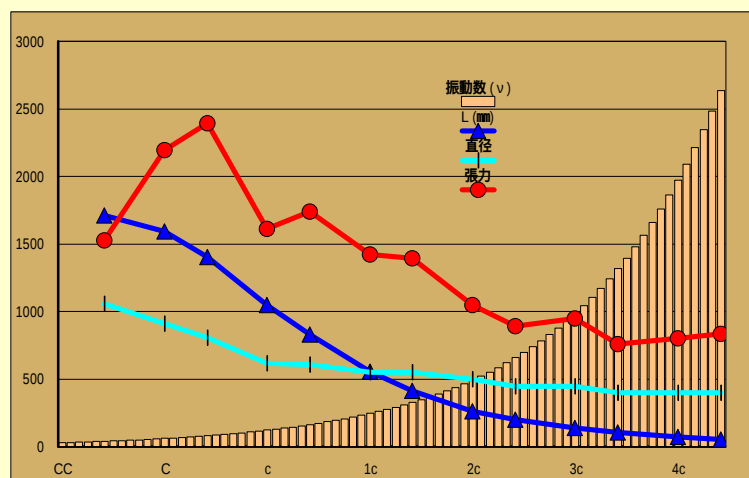
スケーリング

Johann Fritz	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c.1815	Finchcocks Collection		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1713.0	b	1.06	8536	15.29	145.0	0.085	2	30.6	FF
C	61.69	1596.0	b	0.91	8536	21.97	125.0	0.078	2	43.9	C
F	82.35	1403.0	b	0.81	8536	23.97	110.0	0.078	2	47.9	F
c	123.38	1052.0	i	0.62	7769	16.13	90.0	0.086	2	32.3	c
f	164.69	832.0	i	0.61	7769	17.40	77.0	0.093	2	34.8	f
1c	246.76	557.0	i	0.55	7769	14.23	55.0	0.099	2	28.5	1c
1f	329.39	413.0	i	0.55	7769	13.94	41.0	0.099	2	27.9	1f
2c	493.52	263.0	i	0.50	7769	10.49	25.0	0.095	3	31.5	2c
2f	658.77	202.0	i	0.45	7769	8.93	19.0	0.094	3	26.8	2f
3c	987.04	139.0	i	0.45	7769	9.49	11.0	0.079	3	28.5	3c
3f	1317.54	105.0	i	0.40	7769	7.63	9.0	0.086	3	22.9	3f
4c	1974.08	72.0	i	0.40	7769	8.05	4.0	0.056	3	24.2	4c
4f	2635.09	55.0	i	0.40	7769	8.37	4.0	0.073	3	25.1	4f



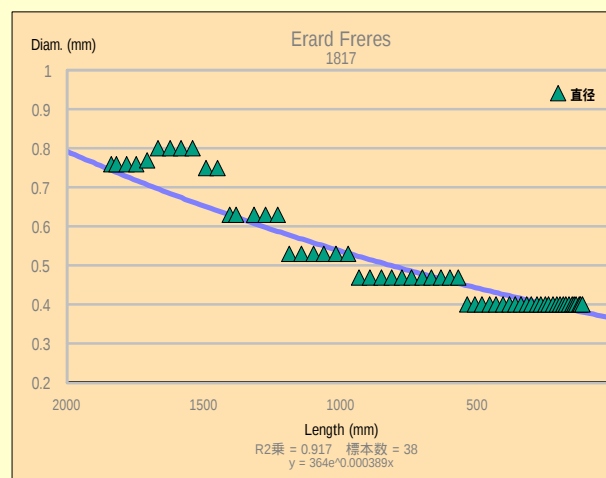
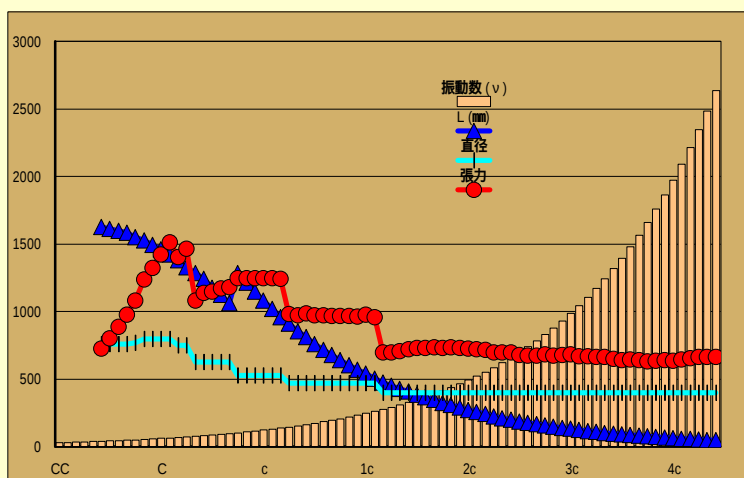
スケーリング

Erard Freres	Paris
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1817	Private collection, Massachusetts		Invention No 398

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1628.0	r	0.76	8769	7.29				0.0	FF
C	61.69	1462.0	b	0.80	8536	14.25				0.0	C
F	82.35	1243.0	b	0.63	8536	11.38				0.0	F
c	123.38	1084.0	i	0.53	7769	12.51				0.0	c
f	164.69	814.0	i	0.47	7769	9.89				0.0	f
1c	246.76	541.0	i	0.47	7769	9.80				0.0	1c
1f	329.39	409.0	i	0.40	7769	7.23				0.0	1f
2c	493.52	274.0	i	0.40	7769	7.29				0.0	2c
2f	658.77	201.0	i	0.40	7769	6.99				0.0	2f
3c	987.04	133.0	i	0.40	7769	6.87				0.0	3c
3f	1317.54	97.0	i	0.40	7769	6.51				0.0	3f
4c	1974.08	64.0	i	0.40	7769	6.36				0.0	4c
4f	2635.09	49.0	i	0.40	7769	6.64				0.0	4f



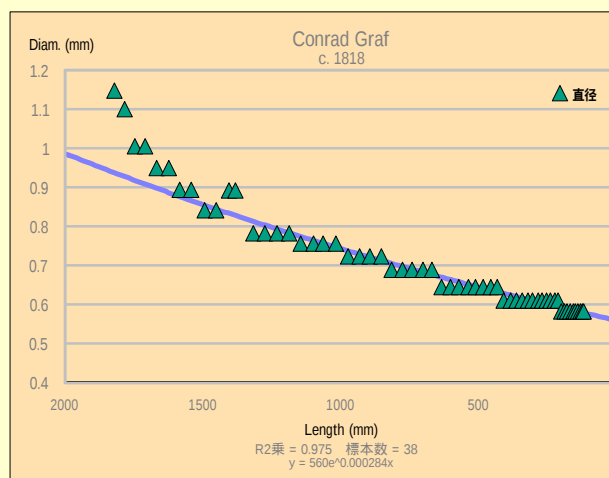
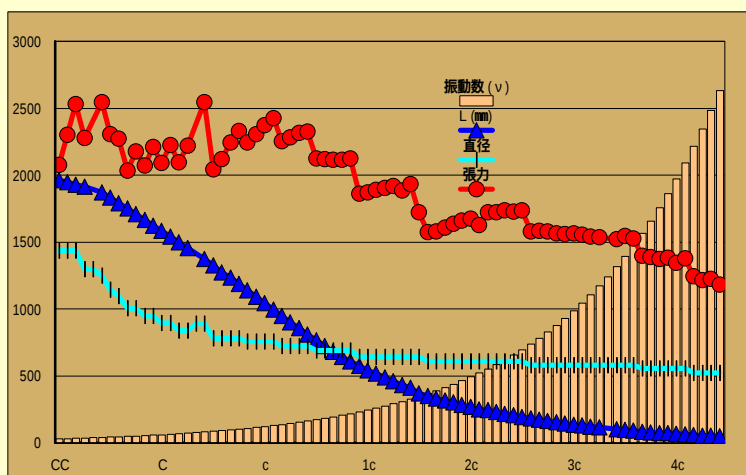
スケーリング

Conrad Graf	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1818	KUNSTHISTORISCHES MUSEUM	396	Maker's number 423

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85	1962.0	b	1.44	8536	20.79			3	62.4	CC
FF	41.17	1875.0	b	1.25	8536	25.48			3	76.4	FF
C	61.69	1584.0	b	0.90	8536	20.93			3	62.8	C
F	82.35	1377.0	i	0.89	7769	25.48			4	101.9	F
c	123.38	1047.0	i	0.76	7769	23.75			4	95.0	c
f	164.69	812.0	i	0.72	7769	23.28			4	93.1	f
1c	246.76	545.0	i	0.65	7769	18.74			4	75.0	1c
1f	329.39	415.0	i	0.65	7769	19.36			4	77.4	1f
2c	493.52	272.0	i	0.61	7769	16.75			4	67.0	2c
2f	658.77	207.0	i	0.61	7769	17.29			4	69.2	2f
3c	987.04	138.0	i	0.58	7769	15.65			4	62.6	3c
3f	1317.54	102.0	i	0.58	7769	15.24			4	61.0	3f
4c	1974.08	67.0	i	0.56	7769	13.47			4	53.9	4c
4f	2635.09	50.0	i	0.52	7769	11.83			4	47.3	4f



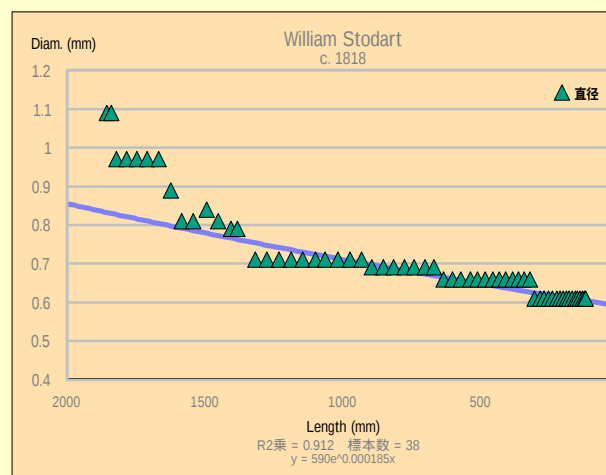
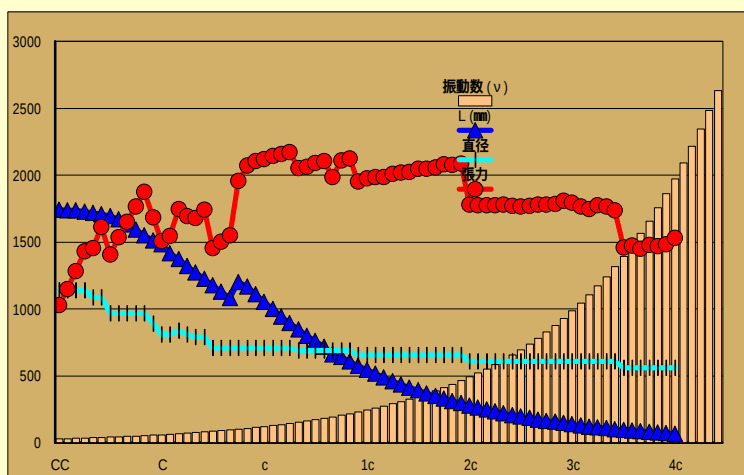
スケーリング

William Stodart	London
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1818	SHRINE TO MUSIC MUSEUM	No. 3332	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85	1745.0	b	1.14	8536	10.31			2	20.6	CC
FF	41.17	1712.0	b	1.09	8536	16.15			2	32.3	FF
C	61.69	1487.0	b	0.81	8536	15.11			2	30.2	C
F	82.35	1227.0	b	0.79	8536	17.44			3	52.3	F
c	123.38	1054.0	i	0.71	7769	21.23			3	63.7	c
f	164.69	801.0	i	0.69	7769	20.63			3	61.9	f
1c	246.76	547.0	i	0.66	7769	19.77			3	59.3	1c
1f	329.39	415.0	i	0.66	7769	20.27			3	60.8	1f
2c	493.52	281.0	i	0.61	7769	17.82			3	53.5	2c
2f	658.77	210.0	i	0.61	7769	17.74			3	53.2	2f
3c	987.04	141.0	i	0.61	7769	17.95			3	53.9	3c
3f	1317.54	104.0	i	0.61	7769	17.40			3	52.2	3f
4c	1974.08	71.0	i	0.56	7769	15.34			3	46.0	4c
4f	2635.09										4f



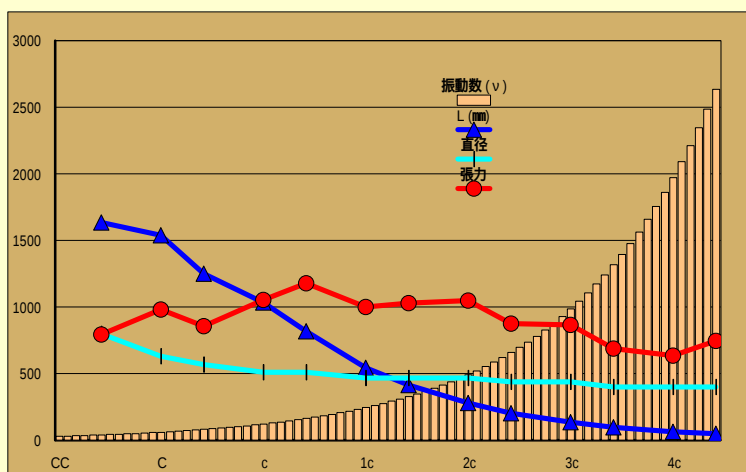
スケーリング

Erard Freres	Paris
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1818	Colt Clavier Collection		measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1638.0	b	0.80	8536	7.96	135.0	0.082	2	15.9	FF
C	61.69	1542.0	b	0.63	8536	9.83	123.0	0.080	2	19.7	C
F	82.35	1252.0	i	0.57	7769	8.60	114.0	0.091	3	25.8	F
c	123.38	1035.0	i	0.51	7769	10.56	98.0	0.095	3	31.7	c
f	164.69	819.0	i	0.51	7769	11.79	72.0	0.088	3	35.4	f
1c	246.76	547.0	i	0.47	7769	10.02	45.0	0.082	3	30.1	1c
1f	329.39	416.0	i	0.47	7769	10.33	30.0	0.072	3	31.0	1f
2c	493.52	280.0	i	0.47	7769	10.51	20.0	0.071	3	31.5	2c
2f	658.77	205.0	i	0.44	7769	8.79	14.0	0.068	3	26.4	2f
3c	987.04	136.0	i	0.44	7769	8.69	13.0	0.096	3	26.1	3c
3f	1317.54	100.0	i	0.40	7769	6.92	11.0	0.110	3	20.8	3f
4c	1974.08	64.0	i	0.40	7769	6.36				0.0	4c
4f	2635.09	52.0	i	0.40	7769	7.48	6.0	0.115		0.0	4f



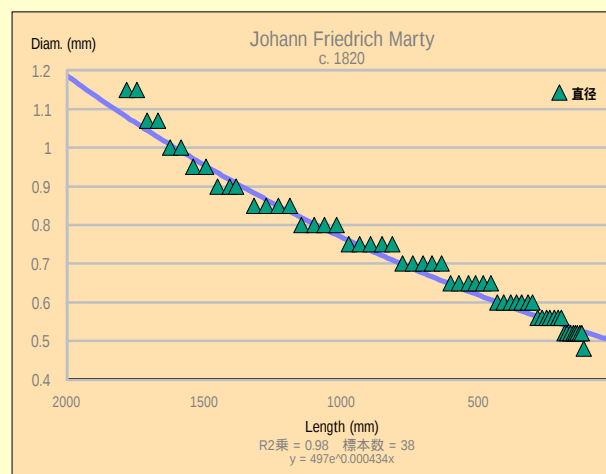
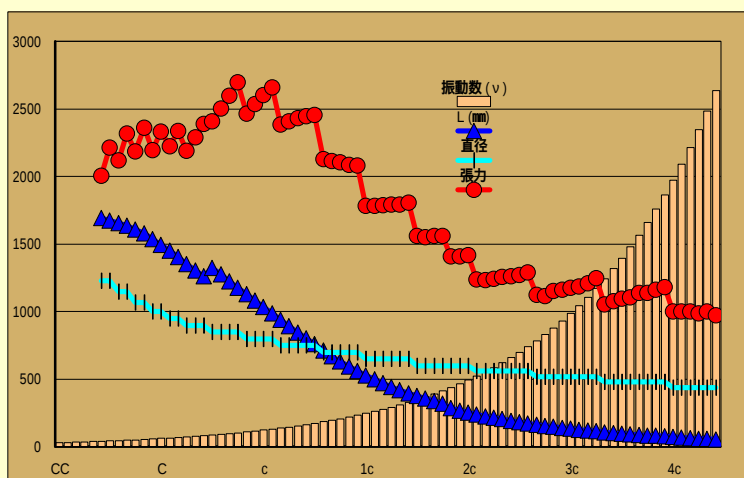
スケーリング

Johann Friedrich Marty	Konigsberg
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1820	Musashino Ongakudaigku		measurements by YS

音名	振動数 (ν)	L (mm)	Material	Diam. (mm)	線密度	T (kg/重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1692.0	b	1.23	8536	20.09	145.0	0.086	2	40.2	FF
C	61.69	1497.0	b	1.00	8536	23.34	137.0	0.092	2	46.7	C
F	82.35	1261.0	b	0.90	8536	23.90	120.0	0.095	2	47.8	F
c	123.38	1036.0	i	0.80	7769	26.04	104.0	0.100	2	52.1	c
f	164.69	803.0	i	0.75	7769	24.50	97.0	0.121	2	49.0	f
1c	246.76	528.0	i	0.65	7769	17.86	73.0	0.138	2	35.7	1c
1f	329.39	398.0	i	0.65	7769	18.08	56.0	0.141	3	54.2	1f
2c	493.52	255.0	i	0.60	7769	14.20	31.0	0.122	3	42.6	2c
2f	658.77	193.0	i	0.56	7769	12.63	18.0	0.093	3	37.9	2f
3c	987.04	134.0	i	0.52	7769	11.78	10.0	0.075	3	35.3	3c
3f	1317.54	104.0	i	0.48	7769	10.77	7.0	0.067	3	32.3	3f
4c	1974.08	73.0	i	0.44	7769	10.01	3.0	0.041	3	30.0	4c
4f	2635.09	54.0	i	0.44	7769	9.76	3.0	0.056	3	29.3	4f



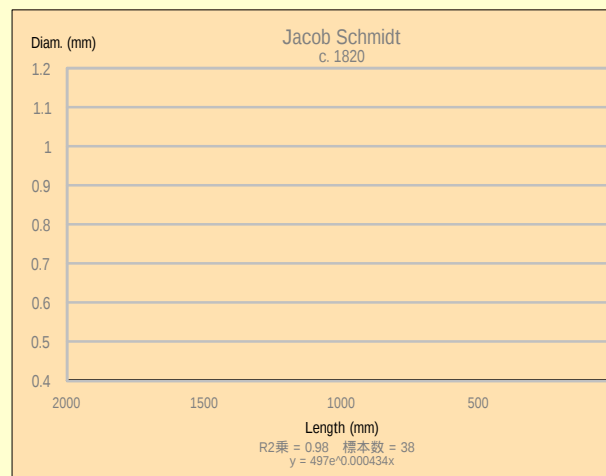
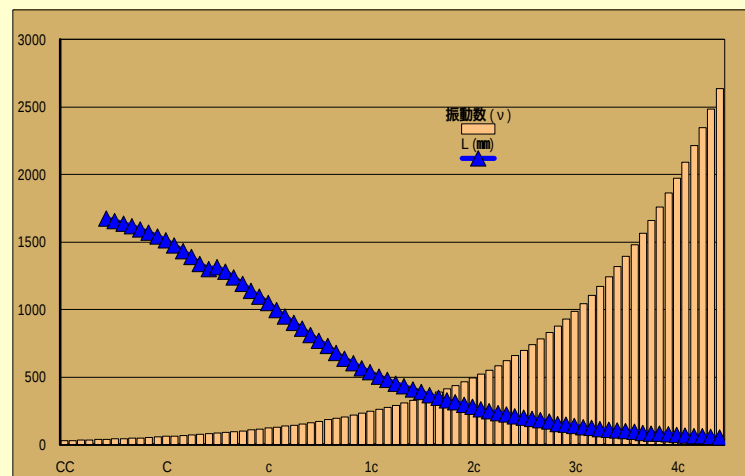
スケーリング

Jacob Schmidt	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1820			measurements by YS

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1674.0	b		8536		117.0	0.070	2		FF
C	61.69	1513.0	b		8536		106.0	0.070	2		C
F	82.35	1299.0	b		8536		95.0	0.073	2		F
c	123.38	1049.0	i		7769		80.0	0.076	2		c
f	164.69	813.0	i		7769		68.0	0.084	2		f
1c	246.76	536.0	i		7769		49.0	0.091	2		1c
1f	329.39	409.0	i		7769		39.0	0.095	2		1f
2c	493.52	280.0	i		7769		22.0	0.079	2		2c
2f	658.77	212.0	i		7769		18.0	0.085	2		2f
3c	987.04	140.0	i		7769		9.0	0.064	3		3c
3f	1317.54	106.0	i		7769		7.0	0.066	3		3f
4c	1974.08	73.0	i		7769		7.0	0.096	3		4c
4f	2635.09	55.0	i		7769		7.0	0.127	3		4f



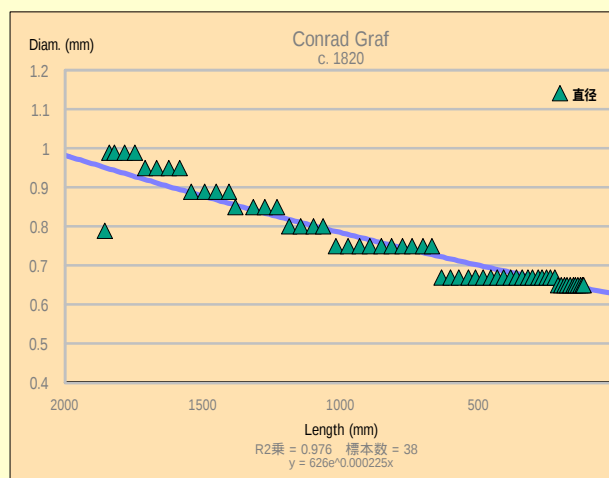
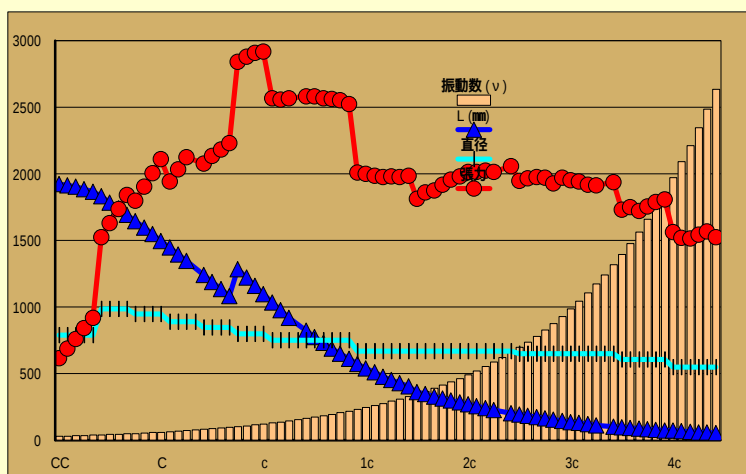
スケーリング

Conrad Graf	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1820	THE F1NCHCOCKS COLLECTION		Maker's No. 182

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85	1926.0	r	0.79	8769	6.19			2	12.4	CC
FF	41.17	1833.0	b	0.99	8536	15.27			3	45.8	FF
C	61.69	1499.0	b	0.95	8536	21.12			3	63.4	C
F	82.35	1245.0	b	0.85	8536	20.78			3	62.3	F
c	123.38	1097.0	i	0.80	7769	29.20			3	87.6	c
f	164.69	825.0	i	0.75	7769	25.86			3	77.6	f
1c	246.76	542.0	i	0.67	7769	20.00			3	60.0	1c
1f	329.39	405.0	i	0.67	7769	19.90			3	59.7	1f
2c	493.52	272.0	i	0.67	7769	20.15			3	60.5	2c
2f	658.77	206.0	i	0.67	7769	20.59			3	61.8	2f
3c	987.04	138.0	i	0.65	7769	19.52			3	58.6	3c
3f	1317.54	103.0	i	0.65	7769	19.38			3	58.1	3f
4c	1974.08	73.0	i	0.55	7769	15.65			3	47.0	4c
4f	2635.09	54.0	i	0.55	7769	15.25			3	45.8	4f



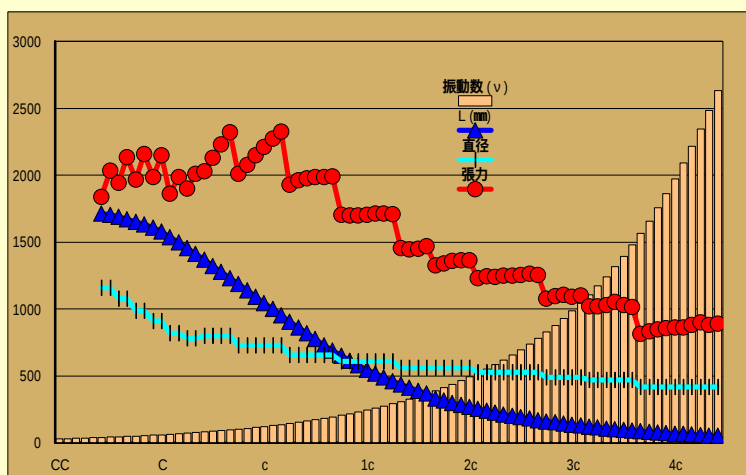
スケーリング

Alois Graff	Wien
	415.0 Hz

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1820	GERMANISCHES NATIONALMUSEUM	MIR 1113	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1717.0	b	1.16	8536	18.40			2	36.8	FF
C	61.69	1579.0	b	0.91	8536	21.50			2	43.0	C
F	82.35	1370.0	i	0.80	7769	20.29			3	60.9	F
c	123.38	1047.0	i	0.73	7769	22.15			3	66.5	c
f	164.69	820.0	i	0.66	7769	19.79			3	59.4	f
1c	246.76	550.0	i	0.61	7769	17.07			3	51.2	1c
1f	329.39	413.0	i	0.56	7769	14.45			3	43.4	1f
2c	493.52	268.0	i	0.56	7769	13.66			3	41.0	2c
2f	658.77	203.0	i	0.53	7769	12.51			3	37.5	2f
3c	987.04	137.0	i	0.49	7769	10.93			3	32.8	3c
3f	1317.54	105.0	i	0.47	7769	10.53			3	31.6	3f
4c	1974.08	71.0	i	0.42	7769	8.63			3	25.9	4c
4f	2635.09	54.0	i	0.42	7769	8.90			3	26.7	4f



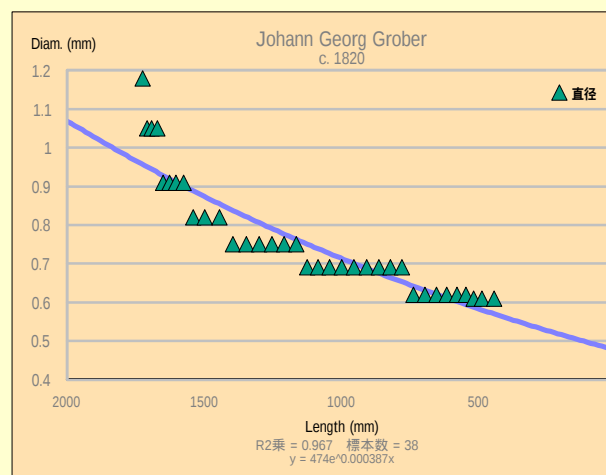
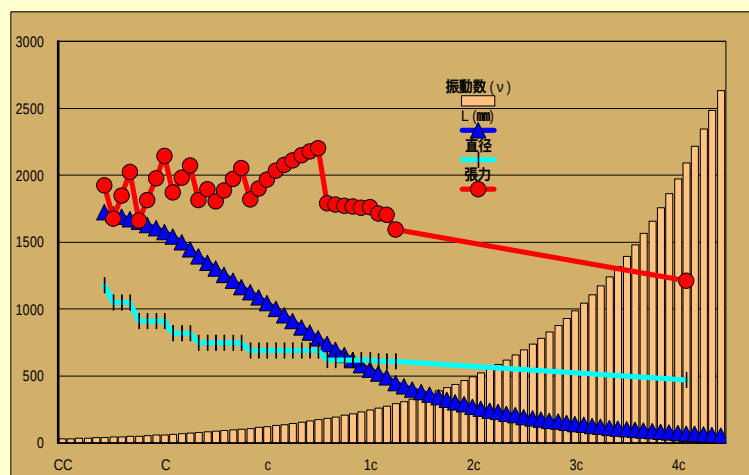
スケーリング

Johann Georg Grober	Innsbruck
415.0 Hz	

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
c. 1820	GERMANISCHES NATIONALMUSEUM	MIR 1114	

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1726.0	b	1.18	8536	19.24			2	38.5	FF
C	61.69	1577.0	b	0.91	8536	21.45			2	42.9	C
F	82.35	1348.0	b	0.75	8536	18.97			2	37.9	F
c	123.38	1045.0	i	0.69	7769	19.71			2	39.4	c
f	164.69	823.0	i	0.69	7769	21.78			2	43.6	f
1c	246.76	550.0	i	0.62	7769	17.63			2	35.3	1c
1f	329.39	401.0	i		7769				3		1f
2c	493.52	272.0	i		7769				3		2c
2f	658.77	207.0	i		7769				3		2f
3c	987.04	142.0	i		7769				3		3c
3f	1317.54	108.0	i		7769				3		3f
4c	1974.08	75.0	i		7769				3		4c
4f	2635.09	57.0	i		7769						4f



スケーリング

Nannette Streicher	Wien
415.0 Hz	

r(レッドプラス)	8769
b(プラス)	8536
i(アイアン)	7769

Date	Owner	Catalogue number	Reference
1826	Private collection, Marburg		Maker's No. 2053

音名	振動数 (v)	L (mm)	Material	Diam. (mm)	線密度	T (kg / 重)	A.P. (mm)	A.P.(%)	Cord	S of T	音名
CC	30.85										CC
FF	41.17	1860.0	b	1.29	8536	26.70			3	80.1	FF
C	61.69	1649.0	b	1.02	8536	29.46			3	88.4	C
F	82.35	1359.0	b	0.93	8536	29.64			3	88.9	F
c	123.38	1085.0	i	0.82	7769	30.01			3	90.0	c
f	164.69	816.0	i	0.82	7769	30.24			3	90.7	f
1c	246.76	548.0	i	0.74	7769	24.94			3	74.8	1c
1f	329.39	411.0	i	0.74	7769	25.00			3	75.0	1f
2c	493.52	279.0	i	0.74	7769	25.86			3	77.6	2c
2f	658.77	210.0	i	0.70	7769	23.36			3	70.1	2f
3c	987.04	139.0	i	0.70	7769	22.97			3	68.9	3c
3f	1317.54	104.0	i	0.64	7769	19.15			3	57.5	3f
4c	1974.08	71.0	i	0.60	7769	17.61			3	52.8	4c
4f	2635.09	55.0	i	0.60	7769	18.83			3	56.5	4f

