

Practicing Intervals, Part 2: How to Master Playing Broken Intervals in Connected Legato Style

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In Part 1 the focus was on plucking the two notes of a 3rd, 6th, octave, or 10th simultaneously and connecting passages of consecutive intervals seamlessly in legato style. In Part 2, we are going to step it up a notch to learn to play broken intervals seamlessly in legato style. The mastery of this technique will make passages of "BROKEN" intervals in your pieces sound fantastic. It will also improve your left-hand finger independence significantly. Giuliani thought they were pretty important. He wrote 16 exercises of broken 3rds, 6ths, octaves, and 10ths in various keys.

Good news! Like the exercises in Part 1, it is not necessary to practice broken intervals on an ongoing basis. Once you learn how to do them, you're done. Simply apply the technique to passages of broken intervals that occur in the pieces you play.

What are Broken Intervals?

Broken intervals are simply intervals in which one of the notes is plucked before the other. In the guitar repertoire, usually the lower note of the interval is played first. (Example #1):

Example #1

10ths in the Key of G, Common Notation in Guitar Repertoire.

The musical notation for Example #1 is presented in two staves. The top staff is in treble clef, key of G (one sharp), and 4/4 time. It contains a sequence of 16 eighth notes, each representing a note in a broken 10th interval. The notes are: G4 (fing. 3), A4 (fing. 0), B4 (fing. 2), C5 (fing. 3), D5 (fing. 0), E5 (fing. 1), F#5 (fing. 2), G5 (fing. 4), A5 (fing. 0), B5 (fing. 2), C6 (fing. 0), D6 (fing. 2), E6 (fing. 4), F#6 (fing. 1), G6 (fing. 0), and A6 (fing. 3). The bottom staff is a guitar-specific notation with three lines labeled T (Treble), A (Alto), and B (Bass). It shows the fret numbers for each note: 0, 1, 3, 0, 2, 3, 2, 0, 3, 1, 0, 0, 3, 0, 2, 3.

The desired musical effect is to seamlessly connect lower note to lower note and upper note to upper note. The precise and correct notation of the above example would look like this. (Example #2):

Example #2

10ths in the Key of G, Precise and Correct Notation.

The image shows a musical score for the song "The Wind" by The Beatles. It includes a guitar staff with a treble clef and a key signature of one sharp (F#), and a bass staff with a bass clef. The guitar staff contains a melody with various notes, including eighth and sixteenth notes, and some accidentals. The bass staff contains a bass line with notes and rests. Below the bass staff is a tablature (TAB) section with two staves, each containing numbers representing fret positions for the guitar strings. The tablature is aligned with the notes in the bass staff.

Each note in the lower voice seamlessly connects to its following note. Each note in the upper voice connects to its following note. (Example #3):

Example #3

The image displays a musical score for the song "The Wind" by The Beatles. It includes a guitar part on a treble clef staff with a key signature of one sharp (F#) and a 4/4 time signature. The guitar part features a melodic line with various fret numbers (0, 1, 4, 2) and a bass line with fret numbers (3, 0, 2, 3, 0, 1, 0, 3, 2, 0, 3). Below the guitar staff are two staves for the bass guitar, labeled "TAB". The bass part consists of two staves, each with fret numbers (0, 1, 3, 0, 2, 3, 0, 2, 0, 3, 1, 0, 3) and a 3/4 time signature.

The notation in Example #3 above is seldom seen. The shorthand notation in Example #1 is usually used because it is easier to read at first glance.

Unfortunately, the notation in example #1 often leads to players not paying attention to detail and playing the passage so that notes get cut off or "ghost" notes are produced. The resulting sound is something like this (Example #4):

Example #4

The image displays a musical score for a guitar, specifically a treble and bass staff. The treble staff is written in G-clef and the key signature has one sharp (F#). The bass staff is written in C-clef. The notation includes various notes, rests, and fingerings. Above the treble staff, there are labels: "Ghost note", "Ghost note", "Chopped off note", "Ghost note", "Ghost note", "Chopped off note", "Chopped off note", "Chopped off note", and "Chopped off note". These labels point to specific notes in the treble staff. The bass staff has fingerings (0, 1, 2, 3) and rests. The notation is a shorthand representation of a guitar passage, likely a solo or a specific technique.

Watch Video #1. Let me show you what I'm talking about.

Tech Tip How to Play Legato Broken Intervals Video #1: Introduction



How to Connect Broken Intervals

Broken intervals sound far more musical when the time is taken to use fingerings and techniques to consciously connect the broken intervals as seamlessly as possible. As you heard in Video #1, if you do not pay attention to detail, and just place and lift fingers at random, connecting some notes, chopping off others, and producing "ghost" notes, the passages will sound very sloppy.

Let take a detailed look at a few of the ascending changes from our example of 10ths in the key of G.

Here is the first interval change from 10ths in the key of G (Example #5):

Example #5

Here is the WRONG way to play the change (Example 5a):

Example #5a

Some players will be tempted to place their 1st finger here:

The WRONG way:

That will cut off the open B.
The whole idea is to keep the open B ringing!

Or, placing the 1st finger too early will produce a C "ghost" note from the finger landing on the string. Almost like a hammer-on slur.

And here is the correct way Example 5b):

Example #5b

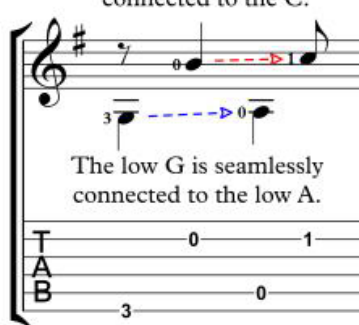
The RIGHT way:

Wait and place the 1st finger here:



Lift the 3rd finger here:

The open B rings and is seamlessly connected to the C.



The low G is seamlessly connected to the low A.

Watch Video #2. Watch me demonstrate this and the following four interval changes.

Tech Tip How to Play Legato Broken Intervals Video #2: How to Play Each Change



[CLICK TO WATCH THE VIDEO on douglasniedt.com](https://douglasniedt.com)

Tech Tip How to Play Legato Broken Intervals Video #2: How to Play Each Change

Let's look at the next change (Example #6):

Example #6

Here is the WRONG way to play the change (Example 6a):

Example #6a

The WRONG way:

Some players will be tempted to lift their 1st finger here:

If the 1st finger is lifted early, the C will be cut off. The whole idea is to keep the C ringing!

If the 1st finger is lifted early, the C gets cut off here.

Even worse, if the 2nd and 4th fingers are placed together, the C gets cut off plus a D "ghost" note will likely be produced.

Ghost note.

And here is the correct way Example 6b):

Example #7a

The **WRONG** way:

Some players will be tempted to lift their 4th finger here:

If the 4th finger is lifted early, the D will be cut off. The whole idea is to keep the D ringing!

And here is the correct way Example 7b):

Example #7b

The **RIGHT** way:

Lift the 4th finger here **BUT DO NOT LIFT THE 3rd FINGER!**

The 2nd-string D rings and is seamlessly connected to the open E.

Now, let's take a detailed look at two of the descending interval changes first (Example #8):

Example #8

Example #8 shows a descending interval change. The top staff is in treble clef with a key signature of one sharp (F#) and a 4/4 time signature. The bottom staff shows fret positions for strings T, A, and B. A red box highlights a specific measure where the 2nd finger is lifted early, causing the F# to be cut off.

Here is the WRONG way to play the change (Example 8a):

Example #8a

The WRONG way:

Some players will be tempted to lift their 2nd finger here:

If the 2nd finger is lifted early, the F# will be cut off. The whole idea is to keep the F# ringing!

If the 2nd finger is lifted early, the F# gets cut off here.

Example #8a shows the wrong way to play the change. The top staff is in treble clef with a key signature of one sharp (F#) and a 4/4 time signature. The bottom staff shows fret positions for strings T, A, and B. A red box highlights a specific measure where the 2nd finger is lifted early, causing the F# to be cut off.

And here is the correct way Example 8b):

Example #8b

The RIGHT way:

Keep the 2nd finger down on the F# until you MUST lift it to play the open E.

Place the 3rd finger here. BUT DO NOT LIFT the 2nd FINGER!

The 1st-string F# rings and is seamlessly connected to the open E.

The open D rings and is seamlessly connected to the 5th-string C.

And finally (Example #9):

Example #9

Here is the WRONG way to play the change (Example 9a):

Example #9a

The WRONG way:

Some players will be tempted to lift their 4th finger and place their 1st finger here:

T 3 1
A 2 0
B

If the 4th finger is lifted early, the D will be cut off. The whole idea is to keep the D ringing!

If the 4th finger is lifted early, the D gets cut off here.

T 3 1
A 2 0
B

Or, lifting the 4th finger and placing the 1st finger on the 2nd-string C will produce a C "ghost" note from the 1st finger landing on the string. Almost like a hammer-on slur.

Ghost-note.

T 3 1
A 2 0
B

And here is the correct way Example 9b):

Example #9b

The RIGHT way:

Keep the 4th finger down on the D until you MUST lift it to play the C.

Lift the 2nd finger here. BUT DO NOT LIFT the 4th FINGER!

T 3 1
A 2 0
B

The 2nd-string D rings and is seamlessly connected to the C.

The 5th-string B rings and is seamlessly connected to the open A.

T 3 1
A 2 0
B

Get the idea? The principles are the same for any broken interval change.

Broken Intervals and String Damping

Broken intervals that traverse large areas of the neck from 1st position to the upper positions often cannot be seamlessly connected. Indeed, in order to cleanly play passages with rapid successive shifts, string damping must be employed.

For instance, in the final measures of Mauro Giuliani's *Rossiniana Op. 119, No. 1* is this passage of broken 10ths (as originally notated by Giuliani). Example #10:

Example #10

Rossiniana No. 1, Op. 119 (Mauro Giuliani). 10ths in the key of G.
As originally notated by Giuliani.

The image displays two systems of musical notation for a guitar piece. Each system consists of a treble staff and a bass staff, both with a treble clef. The notation includes fingerings (0-4) and string numbers (1-4). Below each system is a tablature for the guitar, showing fret numbers (0-10) and string numbers (1-6). The first system shows a sequence of broken 10ths, and the second system shows a similar sequence, ending with a double bar line and a final chord.

The intervals in first position can and should be seamlessly connected in the first two measures. But in measure three as the upper voice of the intervals ascends from the 1st-string G to the tenth fret D it is necessary to damp the notes in the upper voice to maintain clarity.

Here it is notated as it should sound (Example #11):

Example #11

Rossiniana No. 1, Op. 119 (Mauro Giuliani). 10ths in the key of G.

Notated as it should sound.

The image displays two systems of musical notation for a guitar piece, Example #11, from Mauro Giuliani's *Rossiniana No. 1, Op. 119*. The key is G major, and the piece is in 4/4 time. The notation includes a standard staff with a treble clef and a guitar-specific staff with a bass clef and a 'T' (Tuning) symbol. The first system shows a clean, clear performance with proper damping. The second system shows a performance where the upper voice is not damped, resulting in a 'mishmash of unmusical sliding around'. Red arrows point to the notes in the upper voice that are not damped, with labels like 'Damp with m' and 'Damp with i'.

System 1: Clean Performance

Staff 1 (Treble Clef): 4/4 time, key of G. Notes: G4 (0), A4 (1), B4 (2), C5 (3), D5 (4), E5 (5), F#5 (6), G5 (7), A5 (8), B5 (9), C6 (10), D6 (11), E6 (12), F#6 (13), G6 (14), A6 (15), B6 (16), C7 (17), D7 (18), E7 (19), F#7 (20), G7 (21), A7 (22), B7 (23), C8 (24), D8 (25), E8 (26), F#8 (27), G8 (28), A8 (29), B8 (30), C9 (31), D9 (32), E9 (33), F#9 (34), G9 (35), A9 (36), B9 (37), C10 (38), D10 (39), E10 (40), F#10 (41), G10 (42), A10 (43), B10 (44), C11 (45), D11 (46), E11 (47), F#11 (48), G11 (49), A11 (50), B11 (51), C12 (52), D12 (53), E12 (54), F#12 (55), G12 (56), A12 (57), B12 (58), C13 (59), D13 (60), E13 (61), F#13 (62), G13 (63), A13 (64), B13 (65), C14 (66), D14 (67), E14 (68), F#14 (69), G14 (70), A14 (71), B14 (72), C15 (73), D15 (74), E15 (75), F#15 (76), G15 (77), A15 (78), B15 (79), C16 (80), D16 (81), E16 (82), F#16 (83), G16 (84), A16 (85), B16 (86), C17 (87), D17 (88), E17 (89), F#17 (90), G17 (91), A17 (92), B17 (93), C18 (94), D18 (95), E18 (96), F#18 (97), G18 (98), A18 (99), B18 (100), C19 (101), D19 (102), E19 (103), F#19 (104), G19 (105), A19 (106), B19 (107), C20 (108), D20 (109), E20 (110), F#20 (111), G20 (112), A20 (113), B20 (114), C21 (115), D21 (116), E21 (117), F#21 (118), G21 (119), A21 (120), B21 (121), C22 (122), D22 (123), E22 (124), F#22 (125), G22 (126), A22 (127), B22 (128), C23 (129), D23 (130), E23 (131), F#23 (132), G23 (133), A23 (134), B23 (135), C24 (136), D24 (137), E24 (138), F#24 (139), G24 (140), A24 (141), B24 (142), C25 (143), D25 (144), E25 (145), F#25 (146), G25 (147), A25 (148), B25 (149), C26 (150), D26 (151), E26 (152), F#26 (153), G26 (154), A26 (155), B26 (156), C27 (157), D27 (158), E27 (159), F#27 (160), G27 (161), A27 (162), B27 (163), C28 (164), D28 (165), E28 (166), F#28 (167), G28 (168), A28 (169), B28 (170), C29 (171), D29 (172), E29 (173), F#29 (174), G29 (175), A29 (176), B29 (177), C30 (178), D30 (179), E30 (180), F#30 (181), G30 (182), A30 (183), B30 (184), C31 (185), D31 (186), E31 (187), F#31 (188), G31 (189), A31 (190), B31 (191), C32 (192), D32 (193), E32 (194), F#32 (195), G32 (196), A32 (197), B32 (198), C33 (199), D33 (200), E33 (201), F#33 (202), G33 (203), A33 (204), B33 (205), C34 (206), D34 (207), E34 (208), F#34 (209), G34 (210), A34 (211), B34 (212), C35 (213), D35 (214), E35 (215), F#35 (216), G35 (217), A35 (218), B35 (219), C36 (220), D36 (221), E36 (222), F#36 (223), G36 (224), A36 (225), B36 (226), C37 (227), D37 (228), E37 (229), F#37 (230), G37 (231), A37 (232), B37 (233), C38 (234), D38 (235), E38 (236), F#38 (237), G38 (238), A38 (239), B38 (240), C39 (241), D39 (242), E39 (243), F#39 (244), G39 (245), A39 (246), B39 (247), C40 (248), D40 (249), E40 (250), F#40 (251), G40 (252), A40 (253), B40 (254), C41 (255), D41 (256), E41 (257), F#41 (258), G41 (259), A41 (260), B41 (261), C42 (262), D42 (263), E42 (264), F#42 (265), G42 (266), A42 (267), B42 (268), C43 (269), D43 (270), E43 (271), F#43 (272), G43 (273), A43 (274), B43 (275), C44 (276), D44 (277), E44 (278), F#44 (279), G44 (280), A44 (281), B44 (282), C45 (283), D45 (284), E45 (285), F#45 (286), G45 (287), A45 (288), B45 (289), C46 (290), D46 (291), E46 (292), F#46 (293), G46 (294), A46 (295), B46 (296), C47 (297), D47 (298), E47 (299), F#47 (300), G47 (301), A47 (302), B47 (303), C48 (304), D48 (305), E48 (306), F#48 (307), G48 (308), A48 (309), B48 (310), C49 (311), D49 (312), E49 (313), F#49 (314), G49 (315), A49 (316), B49 (317), C50 (318), D50 (319), E50 (320), F#50 (321), G50 (322), A50 (323), B50 (324), C51 (325), D51 (326), E51 (327), F#51 (328), G51 (329), A51 (330), B51 (331), C52 (332), D52 (333), E52 (334), F#52 (335), G52 (336), A52 (337), B52 (338), C53 (339), D53 (340), E53 (341), F#53 (342), G53 (343), A53 (344), B53 (345), C54 (346), D54 (347), E54 (348), F#54 (349), G54 (350), A54 (351), B54 (352), C55 (353), D55 (354), E55 (355), F#55 (356), G55 (357), A55 (358), B55 (359), C56 (360), D56 (361), E56 (362), F#56 (363), G56 (364), A56 (365), B56 (366), C57 (367), D57 (368), E57 (369), F#57 (370), 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(970), E143 (971), F#143 (972), G143 (973), A143 (974), B143 (975), C144 (976), D144 (977), E144 (978), F#144 (979), G144 (980), A144 (981), B144 (982), C145 (983), D145 (984), E145 (985), F#145 (986), G145 (987), A145 (988), B145 (989), C146 (990), D146 (991), E146 (992), F#146 (993), G146 (994), A146 (995), B146 (996), C147 (997), D147 (998), E147 (999), F#147 (1000), G147 (1001), A147 (1002), B147 (1003), C148 (1004), D148 (1005), E148 (1006), F#148 (1007), G148 (1008), A148 (1009), B148 (1010), C149 (1011), D149 (1012), E149 (1013), F#149 (1014), G149 (1015), A149 (1016), B149 (1017), C150 (1018), D150 (1019), E150 (1020), F#150 (1021), G150 (1022), A150 (1023), B150 (1024), C151 (1025), D151 (1026), E151 (1027), F#151 (1028), G151 (1029), A151 (1030), B151 (1031), C152 (1032), D152 (1033), E152 (1034), F#152 (1035), G152 (1036), A152 (1037), B152 (1038), C153 (1039), D153 (1040), E153 (1041), F#153 (1042), G153 (1043), A153 (1044), B153 (1045), C154 (1046), D154 (1047), E154 (1048), F#154 (1049), G154 (1050), A154 (1051), B154 (1052), C155 (1053), D155 (1054), E155 (1055), F#155 (1056), G155 (1057), A155 (1058), B155 (1059), C156 (1060), D156 (1061), E156 (1062), F#156 (1063), G156 (1064), A156 (1065), B156 (1066), C157 (1067), D157 (1068), E157 (1069), F#157 (1070), G157 (1071), A157 (1072), B157 (1073), C158 (1074), D158 (1075), E158 (1076), F#158 (1077), G158 (1078), A158 (1079), B158 (1080), C159 (1081), D159 (1082), E159 (1083), F#159 (1084), G159 (1085), A159 (1086), B159 (1087), C160 (1088), D160 (1089), E160 (1090), F#160 (1091), G160 (1092), A160 (1093), B160 (1094), C161 (1095), D161 (1096), E161 (1097), F#161 (1098), G161 (1099), A161 (1100), B161 (1101), C162 (1102), D162 (1103), E162 (1104), F#162 (1105), G162 (1106), A162 (1107), B162 (1108), C163 (1109), D163 (1110), E163 (1111), F#163 (1112), G163 (1113), A163 (1114), B163 (1115), C164 (1116), D164 (1117), E164 (1118), F#164 (1119), G164 (1120), A164 (1121), B164 (1122), C165 (1123), D165 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(1200), D176 (1201), E176 (1202), F#176 (1203), G176 (1204), A176 (1205), B176 (1206), C177 (1207), D177 (1208), E177 (1209), F#177 (1210), G177 (1211), A177 (1212), B177 (1213), C178 (1214), D178 (1215), E178 (1216), F#178 (1217), G178 (1218), A178 (1219), B178 (1220), C179 (1221), D179 (1222), E179 (1223), F#179 (1224), G179 (1225), A179 (1226), B179 (1227), C180 (1228), D180 (1229), E180 (1230), F#180 (1231), G180 (1232), A180 (1233), B180 (1234), C181 (1235), D181 (1236), E181 (1237), F#181 (1238), G181 (1239), A181 (1240), B181 (1241), C182 (1242), D182 (1243), E182 (1244), F#182 (1245), G182 (1246), A182 (1247), B182 (1248), C183 (1249), D183 (1250), E183 (1251), F#183 (1252), G183 (1253), A183 (1254), B183 (1255), C184 (1256), D184 (1257), E184 (1258), F#184 (1259), G184 (1260), A184 (1261), B184 (1262), C185 (1263), D185 (1264), E185 (1265), F#185 (1266), G185 (1267), A185 (1268), B185 (1269), C186 (1270), D186 (1271), E186 (1272), F#186 (1273), G186 (1274), A186 (1275), B186 (1276), C187 (1277), D187 (1278), E187 (1279), F#187 (1280), G187 (1281), A187 (1282), B187 (1283), C188 (1284), D188 (1285), E188 (1286), F#188 (1287), G188 (1288), A188 (1289), B188 (1290), C189 (1291), D189 (1292), E189 (1293), F#189 (1294), G189 (1295), A189 (1296), B189 (1297), C190 (1298), D190 (1299), E190 (1300), F#190 (1301), G190 (1302), A190 (1303), B190 (1304), C191 (1305), D191 (1306), E191 (1307), F#191 (1308), G191 (1309), A191 (1310), B191 (1311), C192 (1312), D192 (1313), E192 (1314), F#192 (1315), G192 (1316), A192 (1317), B192 (1318), C193 (1319), D193 (1320), E193 (1321), F#193 (1322), G193 (1323), A193 (1324), B193 (1325), C194 (1326), D194 (1327), E194 (1328), F#194 (1329), G194 (1330), A194 (1331), B194 (1332), C195 (1333), D195 (1334), E195 (1335), F#

Tech Tip How to Play Legato Broken Intervals Video #3: String Damping



Three Practice Methods

I have three practice methods you can use to master the technique of seamlessly connecting broken intervals.

- 1. Practice the exercises from Part 1 in broken style.**
- 2. Practice broken interval passages from real repertoire.**
- 3. Practice the Giuliani exercises.**

For most players, I would recommend #1 and/or #2. To me, the Giuliani exercises are good, but overkill. Unfortunately, the fingering in printed editions is bad. You will have to take a significant amount of time to refinger each exercise correctly. However, I provide you with his complete Exercise #4 with proper fingering. That one exercise will certainly result in your mastering broken 10ths.

Practice the Exercises from Part 1 in Broken Style.

I show the original exercise from Part 1 of this technique tip, followed by its broken style. Of course, practice slowly and pay close attention that everything is being connected. Any change involving the 3rd and especially the 4th finger will need to be watched closely.

First, practice with no alternation so you can focus on the left hand: pi all the way through, pm all the way through, pa all the way through. Then, alternate: pi-pm, pm-pi, pm-pa, pa-pm, pi-pa, pa-pi.

Watch Video #4. Watch me explain how these should be practiced and show you how they should sound.

Tech Tip How to Play Legato Broken Intervals Video #4: Exercises from Part 1 as Broken Intervals



Broken 6ths

Broken 6ths in the key of G (Example #12):

Example #12

6ths in 1st Position, Key of G

Broken 6ths in 1st Position, Key of G

The musical score for 'The Rose Tree' is presented in two systems. The first system features a treble clef, a key signature of one sharp (F#), and a 2/4 time signature. The melody is written on a single staff, while the accompaniment is shown as a bass line with notes and fingerings (0-4) below the staff. The second system continues the melody and accompaniment, with the melody staff showing a key signature change to one sharp (F#) and a common time signature (C). The accompaniment is shown as a bass line with notes and fingerings (0-4) below the staff. The score is divided into four measures by vertical bar lines.

Broken 6ths in the key of G, extended scale (Example #13):

Example #13

6ths in G (extended scale)

Example #13: 6ths in G (extended scale). The notation shows a treble clef with a key signature of one sharp (F#) and a 4/4 time signature. The melody is written on a single staff, and the bass is written on a three-staff system (T, A, B). The melody consists of eighth and quarter notes, with some measures containing triplets. The bass is written in a simplified manner with numbers 0-4 indicating fret positions. The key signature is G major (one sharp).

Broken 6ths in 1st Position, Key of G (extended scale)

Broken 6ths in 1st Position, Key of G (extended scale). The notation shows a treble clef with a key signature of one sharp (F#) and a 4/4 time signature. The melody is written on a single staff, and the bass is written on a three-staff system (T, A, B). The melody consists of eighth and quarter notes, with some measures containing triplets. The bass is written in a simplified manner with numbers 0-4 indicating fret positions. The key signature is G major (one sharp).

Broken 6ths in 1st Position, Key of G (extended scale). The notation shows a treble clef with a key signature of one sharp (F#) and a 4/4 time signature. The melody is written on a single staff, and the bass is written on a three-staff system (T, A, B). The melody consists of eighth and quarter notes, with some measures containing triplets. The bass is written in a simplified manner with numbers 0-4 indicating fret positions. The key signature is G major (one sharp).

Broken 6ths in the key of C (Example #14):

Example #14

6ths in 1st Position, Key of C

Example #14: 6ths in 1st Position, Key of C. The notation shows a treble clef staff with a key signature of one flat (Bb) and a 4/4 time signature. The melody consists of eighth and quarter notes. Below the staff is a tablature with three lines labeled T, A, and B, containing fret numbers (0-4) and fingerings (1-4).

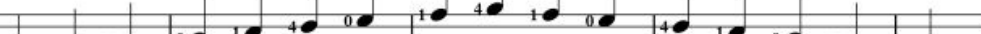
Broken 6ths in 1st Position, Key of C

Broken 6ths in 1st Position, Key of C. The notation shows a treble clef staff with a key signature of one flat (Bb) and a 4/4 time signature. The melody consists of eighth and quarter notes. Below the staff is a tablature with three lines labeled T, A, and B, containing fret numbers (0-4) and fingerings (1-4).

Broken 6ths in 1st Position, Key of C. The notation shows a treble clef staff with a key signature of one flat (Bb) and a 4/4 time signature. The melody consists of eighth and quarter notes. Below the staff is a tablature with three lines labeled T, A, and B, containing fret numbers (0-4) and fingerings (1-4).

Example #15

Octaves in 1st Position, key of C.



TAB

Broken octaves in the key of G (Example #16):

Example #16

Octaves in 1st Position, key of G.

Musical notation for 'Octaves in 1st Position, key of G'. The notation includes a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. The melody is written on a single staff, and the bass line is written on a three-staff system (T, A, B). The melody consists of a series of eighth and quarter notes, with some notes marked with fingerings (0, 1, 2, 3, 4). The bass line consists of a series of eighth and quarter notes, with some notes marked with fingerings (0, 1, 2, 3, 4).

Broken Octaves in 1st Position, key of G.

Musical notation for 'Broken Octaves in 1st Position, key of G'. The notation includes a treble clef, a key signature of one sharp (F#), and a 4/4 time signature. The melody is written on a single staff, and the bass line is written on a three-staff system (T, A, B). The melody consists of a series of eighth and quarter notes, with some notes marked with fingerings (0, 1, 2, 3, 4). The bass line consists of a series of eighth and quarter notes, with some notes marked with fingerings (0, 1, 2, 3, 4).

Broken chromatic octaves (Example #17):

Example #17

Chromatic Octave Scale in 1st Position

The first system shows the chromatic octave scale in 1st position for the treble and bass staves. The treble staff starts on G4 and the bass staff starts on G3. Both staves play a chromatic scale of octaves, with fingerings indicated by numbers 0-4. The second system continues the scale, with the treble staff ending on G5 and the bass staff ending on G4. The notation includes sharp and flat accidentals for the chromatic movement.

Broken Octaves, Chromatic Octave Scale in 1st Position

The third system shows the broken octave chromatic scale in 1st position. The treble staff starts on G4 and the bass staff starts on G3. The notation includes slurs and ties to indicate the broken octave pattern. The fourth system continues the scale, with the treble staff ending on G5 and the bass staff ending on G4. The notation includes sharp and flat accidentals for the chromatic movement.

Broken 10ths

Broken 10ths in the key of C (Example #18):

Example #18

10ths in 1st Position, Key of C.

Broken 10ths in 1st Position, Key of C.

Broken 10ths in the key of G (Example #19):

Example #20

3rds in 1st Position, Key of C.

Broken 3rds in 1st Position, Key of C.

Broken 3rds

Broken 3rds in the key of C (Example #20):

Example #19

10ths in 1st Position, Key of G.

Example #19 shows a musical exercise in the key of G (one sharp) for the first position. The exercise is titled "10ths in 1st Position, Key of G." The notation is written on a grand staff (treble and bass clefs). The melody in the treble clef consists of eighth and quarter notes, with some notes marked with a sharp sign (#). The bass line is a simple accompaniment of eighth notes. The key signature is G major (one sharp).

Broken 10ths in 1st Position, Key of G.

Broken 10ths in 1st Position, Key of G. The notation is written on a grand staff (treble and bass clefs). The melody in the treble clef consists of eighth and quarter notes, with some notes marked with a sharp sign (#). The bass line is a simple accompaniment of eighth notes. The key signature is G major (one sharp).

Practice Broken Interval Passages from Real Repertoire.

Instead of exercises, some players enjoy extracting passages from actual pieces to practice. Following are passages from several pieces that use broken 3rds, 6ths, octaves, 10ths, and a few with a nice mix of several different intervals. Note that I have altered the original notation to emphasize that the notes in the upper voice are to be sustained and connected to one another.

Real Repertoire: Broken 6ths

Broken 6ths are found frequently in music by Carulli, Sor, and Giuliani.

**Many of Carulli's beginning and intermediate studies contain passages of broken 6ths
(Example #21):**

Example #21

English Dance (Ferdinand Carulli). 10ths followed by broken 6ths in 1st position, key of C.

1 0 4 1 0 4 1 4 2 0 3

T 0 1 0 3 0 0 0 0 1 3 0 3 0

A 0 0 0 0 0 0 0 0 0 0 0 0 0

B 0 3 2 0 3 0 2 2

1 0 4 1 0 4 1 4 2 0 3

T 0 1 0 3 0 0 0 0 1 3 0 3 0

A 0 0 0 0 0 0 0 0 0 0 0 0 0

B 0 3 2 0 3 0 2 2

Watch Video #5. Watch me demonstrate this passage and the passages from ALL the following pieces.

Tech Tip How to Play Legato Broken Intervals Video #5: Passages from Real Repertoire



This exercise consisting completely of broken 6ths is from Fernando Sor's *Guitar Method*

(Example 22):

Example #22

Exercise in 6ths from Method for the Spanish Guitar (Fernando Sor).

Broken 6ths in 1st position, key of C.



Here is an example of broken 6ths from one of Sor's easier studies (Example #23):

Example #23

Exercise, Op. 35, No. 10 (Fernando Sor). Broken 6ths in 1st position, key of F.

Here is an example from a Mauro Giuliani Lesson in the key of A (Example #24):

Example #24

Lesson No. 6 from 12 Progressive Lessons for Guitar, Op. 1, No. 6 (Mauro Giuliani).

Broken 6ths, key of A.

Real Repertoire: Broken Octaves

Mauro Giuliani used passages of broken octaves in many of his pieces, from beginning studies to his most virtuosic concert pieces.

Here is a relatively long passage of broken octaves from one of Giuliani's intermediate pieces (Example #25):

Example #25

Rondeau, Op. 3, No. 1 (Mauro Giuliani). Broken octaves, key of Am.

The musical score for Example #25 consists of three systems of music. Each system features a treble clef staff with notes and a guitar tablature staff with fret numbers (0-4). The key signature is one flat (B-flat), and the time signature is 3/8. The passage is a continuous sequence of broken octaves, with the left hand playing the lower octave and the right hand playing the upper octave. The tablature staff shows the fret numbers for each note, with some notes being natural (0) and others being sharp (1, 2, 3, 4). The sequence of notes in the right hand is: A4, B4, C5, D5, E5, F5, G5, A5, B5, C6, D6, E6, F6, G6, A6, B6, C7, D7, E7, F7, G7, A7, B7, C8, D8, E8, F8, G8, A8, B8, C9, D9, E9, F9, G9, A9, B9, C10, D10, E10, F10, G10, A10, B10, C11, D11, E11, F11, G11, A11, B11, C12, D12, E12, F12, G12, A12, B12, C13, D13, E13, F13, G13, A13, B13, C14, D14, E14, F14, G14, A14, B14, C15, D15, E15, F15, G15, A15, B15, C16, D16, E16, F16, G16, A16, B16, C17, D17, E17, F17, G17, A17, B17, C18, D18, E18, F18, G18, A18, B18, C19, D19, E19, F19, G19, A19, B19, C20, D20, E20, F20, G20, A20, B20, C21, D21, E21, F21, G21, A21, B21, C22, D22, E22, F22, G22, A22, B22, C23, D23, E23, F23, G23, A23, B23, C24, D24, E24, F24, G24, A24, B24, C25, D25, E25, F25, G25, A25, B25, C26, D26, E26, F26, G26, A26, B26, C27, D27, E27, F27, G27, A27, B27, C28, D28, E28, F28, G28, A28, B28, C29, D29, E29, F29, G29, A29, B29, C30, D30, E30, F30, G30, A30, B30, C31, D31, E31, F31, G31, A31, B31, C32, D32, E32, F32, G32, A32, B32, C33, D33, E33, F33, G33, A33, B33, C34, D34, E34, F34, G34, A34, B34, C35, D35, E35, F35, G35, A35, B35, C36, D36, E36, F36, G36, A36, B36, C37, D37, E37, F37, G37, A37, B37, C38, D38, E38, F38, G38, A38, B38, C39, D39, E39, F39, G39, A39, B39, C40, D40, E40, F40, G40, A40, B40, C41, D41, E41, F41, G41, A41, B41, C42, D42, E42, F42, G42, A42, B42, C43, D43, E43, F43, G43, A43, B43, C44, D44, E44, F44, G44, A44, B44, C45, D45, E45, F45, G45, A45, B45, C46, D46, E46, F46, G46, A46, B46, C47, D47, E47, F47, G47, A47, B47, C48, D48, E48, F48, G48, A48, B48, C49, D49, E49, F49, G49, A49, B49, C50, D50, E50, F50, G50, A50, B50, C51, D51, E51, F51, G51, A51, B51, C52, D52, E52, F52, G52, A52, B52, C53, D53, E53, F53, G53, A53, B53, C54, D54, E54, F54, G54, A54, B54, C55, D55, E55, F55, G55, A55, B55, C56, D56, E56, F56, G56, A56, B56, C57, D57, E57, F57, G57, A57, B57, C58, D58, E58, F58, G58, A58, B58, C59, D59, E59, F59, G59, A59, B59, C60, D60, E60, F60, G60, A60, B60, C61, D61, E61, F61, G61, A61, B61, C62, D62, E62, F62, G62, A62, B62, C63, D63, E63, F63, G63, A63, B63, C64, D64, E64, F64, G64, A64, B64, C65, D65, E65, F65, G65, A65, B65, C66, D66, E66, F66, G66, A66, B66, C67, D67, E67, F67, G67, A67, B67, C68, D68, E68, F68, G68, A68, B68, C69, D69, E69, F69, G69, A69, B69, C70, D70, E70, F70, G70, A70, B70, C71, D71, E71, F71, G71, A71, B71, C72, D72, E72, F72, G72, A72, B72, C73, D73, E73, F73, G73, A73, B73, C74, D74, E74, F74, G74, A74, B74, C75, D75, E75, F75, G75, A75, B75, C76, D76, E76, F76, G76, A76, B76, C77, D77, E77, F77, G77, A77, B77, C78, D78, E78, F78, G78, A78, B78, C79, D79, E79, F79, G79, A79, B79, C80, D80, E80, F80, G80, A80, B80, C81, D81, E81, F81, G81, A81, B81, C82, D82, E82, F82, G82, A82, B82, C83, D83, E83, F83, G83, A83, B83, C84, D84, E84, F84, G84, A84, B84, C85, D85, E85, F85, G85, A85, B85, C86, D86, E86, F86, G86, A86, B86, C87, D87, E87, F87, G87, A87, B87, C88, D88, E88, F88, G88, A88, B88, C89, D89, E89, F89, G89, A89, B89, C90, 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G115, A115, B115, C116, D116, E116, F116, G116, A116, B116, C117, D117, E117, F117, G117, A117, B117, C118, D118, E118, F118, G118, A118, B118, C119, D119, E119, F119, G119, A119, B119, C120, D120, E120, F120, G120, A120, B120, C121, D121, E121, F121, G121, A121, B121, C122, D122, E122, F122, G122, A122, B122, C123, D123, E123, F123, G123, A123, B123, C124, D124, E124, F124, G124, A124, B124, C125, D125, E125, F125, G125, A125, B125, C126, D126, E126, F126, G126, A126, B126, C127, D127, E127, F127, G127, A127, B127, C128, D128, E128, F128, G128, A128, B128, C129, D129, E129, F129, G129, A129, B129, C130, D130, E130, F130, G130, A130, B130, C131, D131, E131, F131, G131, A131, B131, C132, D132, E132, F132, G132, A132, B132, C133, D133, E133, F133, G133, A133, B133, C134, D134, E134, F134, G134, A134, B134, C135, D135, E135, F135, G135, A135, B135, C136, D136, E136, F136, G136, A136, B136, C137, D137, E137, F137, G137, A137, B137, C138, D138, E138, F138, G138, A138, B138, C139, D139, E139, F139, G139, A139, B139, C140, D140, E140, F140, G140, A140, B140, C141, D141, E141, F141, G141, A141, B141, C142, D142, E142, F142, G142, A142, B142, C143, D143, E143, F143, G143, A143, B143, C144, D144, E144, F144, G144, A144, B144, C145, D145, E145, F145, G145, A145, B145, C146, D146, E146, F146, G146, A146, B146, C147, D147, E147, F147, G147, A147, B147, C148, D148, E148, F148, G148, A148, B148, C149, D149, E149, F149, G149, A149, B149, C150, D150, E150, F150, G150, A150, B150, C151, D151, E151, F151, G151, A151, B151, C152, D152, E152, F152, G152, A152, B152, C153, D153, E153, F153, G153, A153, B153, C154, D154, E154, F154, G154, A154, B154, C155, D155, E155, F155, G155, A155, B155, C156, D156, E156, F156, G156, A156, B156, C157, D157, E157, F157, G157, A157, B157, C158, D158, E158, F158, G158, A158, B158, C159, D159, E159, F159, G159, A159, B159, C160, D160, E160, F160, G160, A160, B160, C161, D161, E161, F161, G161, A161, B161, C162, D162, E162, F162, G162, A162, B162, C163, D163, E163, F163, G163, A163, B163, C164, D164, E164, F164, G164, A164, B164, C165, D165, E165, F165, G165, A165, B165, C166, D166, E166, F166, G166, A166, B166, C167, D167, E167, F167, G167, A167, B167, C168, D168, E168, F168, G168, A168, B168, C169, D169, E169, F169, G169, A169, B169, C170, D170, E170, F170, G170, A170, B170, C171, D171, E171, F171, G171, A171, B171, C172, D172, E172, F172, G172, A172, B172, C173, D173, E173, F173, G173, A173, B173, C174, D174, E174, F174, G174, A174, B174, C175, D175, E175, F175, G175, A175, B175, C176, D176, E176, F176, G176, A176, B176, C177, D177, E177, F177, G177, A177, B177, C178, D178, E178, F178, G178, A178, B178, C179, D179, E179, F179, G179, A179, B179, C180, D180, E180, F180, G180, A180, B180, C181, D181, E181, F181, G181, A181, B181, C182, D182, E182, F182, G182, A182, B182, C183, D183, E183, F183, G183, A183, B183, C184, D184, E184, F184, G184, A184, B184, C185, D185, E185, F185, G185, A185, B185, C186, D186, E186, F186, G186, 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F210, G210, A210, B210, C211, D211, E211, F211, G211, A211, B211, C212, D212, E212, F212, G212, A212, B212, C213, D213, E213, F213, G213, A213, B213, C214, D214, E214, F214, G214, A214, B214, C215, D215, E215, F215, G215, A215, B215, C216, D216, E216, F216, G216, A216, B216, C217, D217, E217, F217, G217, A217, B217, C218, D218, E218, F218, G218, A218, B218, C219, D219, E219, F219, G219, A219, B219, C220, D220, E220, F220, G220, A220, B220, C221, D221, E221, F221, G221, A221, B221, C222, D222, E222, F222, G222, A222, B222, C223, D223, E223, F223, G223, A223, B223, C224, D224, E224, F224, G224, A224, B224, C225, D225, E225, F225, G225, A225, B225, C226, D226, E226, F226, G226, A226, B226, C227, D227, E227, F227, G227, A227, B227, C228, D228, E228, F228, G228, A228, B228, C229, D229, E229, F229, G229, A229, B229, C230, D230, E230, F230, G230, A230, B230, C231, D231, E231, F231, G231, A231, B231, C232, D232, E232, F232, G232, A232, B232, C233, D233, E233, F233, G233, A233, B233, C234, D234, E234, F234, G234, A234, B234, C235, D235, E235, F235, G235, A235, B235, C236, D236, E236, F236, G236, A236, B236, C237, D237, E237, F237, G237, A237, B237, C238, D238, E238, F238, G238, A238, B238, C239, D239, E239, F239, G239, A239, B239, C240, D240, E240, F240, G240, A240, B240, C241, D241, E241, F241, G241, A241, B241, C242, D242, E242, F242, G242, A242, B242, C243, D243, E243, F243, G243, A243, B243, C244, D244, E244, F244, G244, A244, B244, C245, D245, E245, F245, G245, A245, B245, C246, D246, E246, F246, G246, A246, B246, C247, D247, E247, F247, G247, A247, B247, C248, D248, E248, F248, G248, A248, B248, C249, D249, E249, F249, G249, A249, B249, C250, D250, E250, F250, G250, A250, B250, C251, D251, E251, F251, G251, A251, B251, C252, D252, E252, F252, G252, A252, B252, C253, D253, E253, F253, G253, A253, B253, C254, D254, E254, F254, G254, A254, B254, C255, D255, E255, F255, G255, A255, B255, C256, D256, E256, F256, G256, A256, B256, C257, D257, E257, F257, G257, A257, B257, C258, D258, E258, F258, G258, A258, B258, C259, D259, E259, F259, G259, A259, B259, C260, D260, E260, F260, G260, A260, B260, C261, D261, E261, F261, G261, A261, B261, C262, D262, E262, F262, G262, A262, B262, C263, D263, E263, F263, G263, A263, B263, C264, D264, E264, F264, G264, A264, B264, C265, D265, E265, F265, G265, A265, B265, C266, D266, E266, F266, G266, A266, B266, C267, D267, E267, F267, G267, A267, B267, C268, D268, E268, F268, G268, A268, B268, C269, D269, E269, F269, G269, A269, B269, C270, D270, E270, F270, G270, A270, B270, C271, D271, E271, F271, G271, A271, B271, C272, D272, E272, F272, G272, A272, B272, C273, D273, E273, F273, G273, A273, B273, C274, D274, E274, F274, G274, A274, B274, C275, D275, E275, F275, G275, A275, B275, C276, D276, E276, F276, G276, A276, B276, C277, D277, E277, F277, G277, A277, B277, C278, D278, E278, F278, G278, A278, B278, C279, D279, E279, F279, G279, A279, B279, C280, D280, E280, F280, G280, A280, B280, C281, D281, E281, F281, G281, A281, B281, C282, D282, E282, F282, G282, A282, B282, C283, D283, E283, F283, G283, A283, B283, C284, D284, E284, F284, G284, A284, B284, C285, D285, E285, F285, G285, A285, B285, C286, D286, E286, F286, G286, A286, B286, C287, D287, E287, F287, G287, A287, B287, C288, D288, E288, F288, G288, A288, B288, C289, D289, E289, F289, G289, A289, B289, C290, D290, E290, F290, G290, A290, B290, C291, D291, E291, F291, G291, A291, B291, C292, D292, E292, F292, G292, A292, B292, C293, D293, E293, F293, G293, A293, B293, C294, D294, E294, F294, G294, A294, B294, C295, D295, E295, F295, G295, A295, B295, C296, D296, E296, F296, G296, A296, B296, C297, D297, E297, F297, G297, A297, B297, C298, D298, E298, F298, G298, A298, B298, C299, D299, E299, F299, G299, A299, B299, C300, D300, E300, F300, G300, A300, B300, C301, D301, E301, F301, G301, A301, B301, C302, D302, E302, F302, G302, A302, B302, C303, D303, E303, F303, G303, A303, B303, C304, D304, E304, F304, G304, A304, B304, C305, D305, 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A352, B352, C353, D353, E353, F353, G353, A353, B353, C354, D354, E354, F354, G354, A354, B354, C355, D355, E355, F355, G355, A355, B355, C356, D356, E356, F356, G356, A356, B356, C357, D357, E357, F357, G357, A357, B357, C358, D358, E358, F358, G358, A358, B358, C359, D359, E359, F359, G359, A359, B359, C360, D360, E360, F360, G360, A360, B360, C361, D361, E361, F361, G361, A361, B361,

Here is an example of broken octaves in one of Giuliani's virtuosic pieces, his *Grand Overture* (Example #26):

Example #26

Grand Overture, Op. 61 (Mauro Giuliani). Broken octaves.

The musical score for Example #26 is presented in two systems. The first system shows the initial measures of the piece, with the treble staff containing a melody and the bass staff containing a broken octave accompaniment. The second system continues the piece, showing the progression of the broken octave pattern. The bass staff is divided into two lines, labeled T (Treble) and B (Bass), to indicate the specific fingerings for each hand. The notation includes various musical symbols such as notes, rests, and accidentals, along with fingering numbers (0-4) to guide the performer.

From the same piece, a short passage of broken chromatic octaves (Example #27):

Example #27

Grand Overture, Op. 61 (Mauro Giuliani). Broken chromatic octave scales.

The musical score for Example #27 is presented in two systems. The first system shows the initial measures of the piece, with the treble staff containing a melody and the bass staff containing a broken chromatic octave accompaniment. The second system continues the piece, showing the progression of the broken chromatic octave pattern. The bass staff is divided into two lines, labeled T (Treble) and B (Bass), to indicate the specific fingerings for each hand. The notation includes various musical symbols such as notes, rests, and accidentals, along with fingering numbers (0-5) to guide the performer.

Real Repertoire: Broken 10ths

Broken 10ths are found extensively in music by Carulli, Sor, Giuliani, Carcassi, and many others.

Here is an example from a beginning etude by Carulli (Example #28):

Example #28

Etude, (Ferdinand Carulli). Broken 10ths.

The image shows a musical score for a guitar etude by Ferdinand Carulli. It consists of a treble clef staff and a guitar tablature staff. The treble staff contains a melody with a broken 10th interval highlighted. The tablature staff shows the corresponding fret numbers for the melody. The broken 10th interval is formed by the notes G4 (fret 1) and A4 (fret 3) on the same string, which is a major second, but the interval between G4 and A5 (fret 10) is a major tenth. The tablature shows the sequence of frets: 1, 0, 3, 1, 1, 0, 0.

Here is an example of broken 10ths from a study by Fernando Sor (Example #29):

Example #29

Introduction to the Study of the Guitar, Op. 60, No. 10. (Fernando Sor). Broken 10ths.

The image shows a musical score for a guitar study by Fernando Sor. It consists of a treble clef staff and a guitar tablature staff. The treble staff contains a melody with a broken 10th interval highlighted by a red box. The tablature staff shows the corresponding fret numbers for the melody. The broken 10th interval is formed by the notes G4 (fret 1) and A4 (fret 3) on the same string, which is a major second, but the interval between G4 and A5 (fret 10) is a major tenth. The tablature shows the sequence of frets: 3, 0, 2, 0, 2, 3, 3, 1, 0, 1, 3, 3, 3, 0, 3, 1, 0, 0, 3, 1, 2, 3, 0.

Real Repertoire: Mixes of broken 3rds, 6ths, octaves, and 10ths

In intermediate and advanced pieces, guitar composers often mix different broken intervals within a passage.

This passage from *Canarios* by Gaspar Sanz is a bit different from all the other examples. Most of the time when guitar composers write broken intervals, the note in the lower voice is played first, then the upper voice. In this example, the upper voice takes the lead.

This passage from *Canarios* by Gaspar Sanz contains broken 10ths and 3rds (Example #30):

Example #30

Canarios (Gaspar Sanz). Mix of broken 10ths and 3rds. Note that these intervals are reversed. The higher note of each interval is played first, then the lower note.

This next example of mixed broken intervals is from the well-known *25 Etudes* by Matteo Carcassi (Example #31):

Example #31

25 Etudes, Op. 60, No. 5. (Matteo Carcassi). Mix of broken 3rds, 6ths, and 10ths.

0 4 3 2 1 4 3 2 4 2 1 0 2 1 0 3 2 3 4 2 2 0 3

Bar

0 5 4 2 2 5 0 4 4 5 3 1 0 0 2 0 4 2 2 3 1 0 3

Next is an example of mixed broken intervals from Mauro Giuliani (Example #32):

Example #32

Rondeau, Op. 3, No. 1. (Mauro Giuliani). Mix of broken 3rds, 6ths, octave, and 10ths.

5 2 2 2 1 0 0 3 2 2 2 0 4 5 3 2 3 2 3

0 4 2 0 4 2 0 0

And finally, this example includes all the mixed broken intervals (Example #33):

Example #33

Rondeau, Op. 14, No. 5. (Mauro Giuliani). Mix of broken 3rds, 6ths, octaves, and 10ths.

The musical score for Example #33 is presented in three systems. Each system consists of a treble clef staff and a guitar-specific staff labeled 'T' (Treble) and 'B' (Bass). The guitar staff includes fret numbers (0-5) and fingerings (1-4) for both hands. The score is in 2/4 time and features a mix of broken 3rds, 6ths, octaves, and 10ths.

Practice the Giuliani Studies.

Mauro Giuliani provides 16 left-hand studies in his *Studies for Guitar, Op. 1a* (these also include the famous "120 Arpeggios"). The fingering in most editions is not very good and does not allow the broken intervals to be flawlessly sustained and connected to one another. While the studies are very good, each will require careful re-fingering to produce the desired legato sound. Below is my re-fingering of No.4. I have employed several rather "tricky" fingerings to maintain a perfect legato connection between every change (Example #34):

Example #34

Studies for Guitar, Op. 1a, No. 4 (Mauro Giuliani). 10ths in the key of C.

The musical score is presented in three systems. Each system consists of three staves: a treble staff, a guitar staff (labeled 'T'), and a bass staff (labeled 'B'). The time signature is 10/8, and the key signature is C major. The guitar staff contains a continuous sequence of 10th intervals, while the treble and bass staves provide harmonic accompaniment. The notation includes various fingerings, accidentals, and dynamic markings.

System 1:

- Treble Staff:** Starts with a treble clef and a 10/8 time signature. The melody consists of eighth and sixteenth notes, with some slurs and accents.
- Guitar Staff (T):** Contains a sequence of 10th intervals, starting with a C4 and an E5, followed by various chromatic and diatonic progressions.
- Bass Staff (B):** Provides a harmonic accompaniment with eighth and sixteenth notes, including some slurs and accents.

System 2:

- Treble Staff:** Continues the melodic line with eighth and sixteenth notes, featuring some slurs and accents.
- Guitar Staff (T):** Continues the sequence of 10th intervals, maintaining the chromatic and diatonic progressions.
- Bass Staff (B):** Continues the harmonic accompaniment with eighth and sixteenth notes, including some slurs and accents.

System 3:

- Treble Staff:** Continues the melodic line with eighth and sixteenth notes, featuring some slurs and accents.
- Guitar Staff (T):** Continues the sequence of 10th intervals, maintaining the chromatic and diatonic progressions.
- Bass Staff (B):** Continues the harmonic accompaniment with eighth and sixteenth notes, including some slurs and accents.

The image displays three systems of musical notation for guitar, each consisting of a treble staff and a bass staff. The notation includes various fret numbers (0-12) and fingerings (1-4). The first system has a key signature of one sharp (F#). The second system has a key signature of one flat (Bb). The third system has a key signature of two flats (Bb, Eb). The notation is complex, featuring many accidentals and fingerings, suggesting a challenging piece of music.

Final Thoughts

You do not need to practice any of these exercises on an ongoing basis. Once you have learned the technique, you are done! When you encounter broken intervals in your actual pieces, just be sure to employ the skills you have learned and properly connect the intervals seamlessly, as legato as possible. Where it is not possible to connect the intervals as in passages that rapidly shift up and down the neck, employ the judicious use of string damping to keep the interval changes clean and clear.