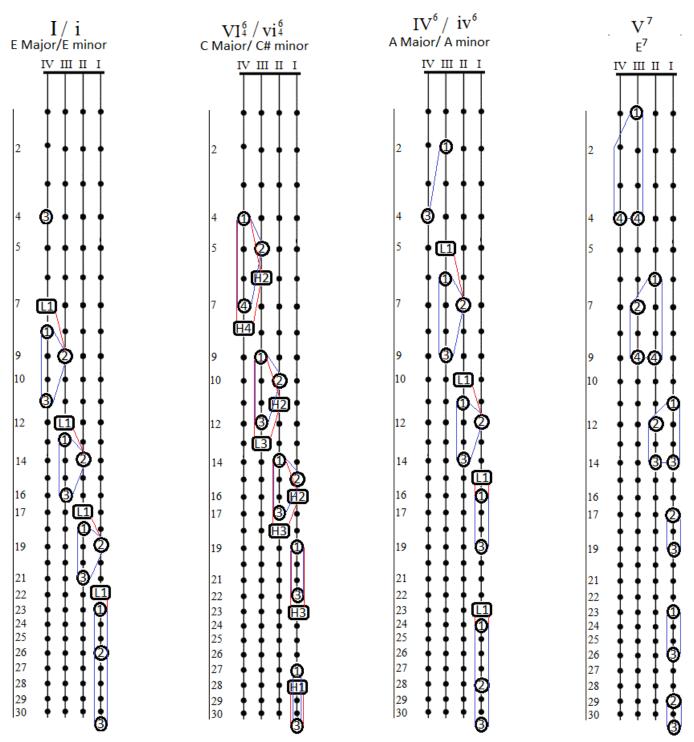
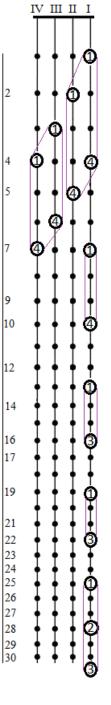
Cello Standards: Arpeggios on the Fingerboard





vii°7

 $e^{\circ 7}$



Cello Standards: Arpeggios

OBJECTIVES:

- -Practice good shifting habits, opening elbow for the shift, preparing the shift in the left hand, shifting before the bow change
- -Production of a relaxed, solid, resonant tone
- -Practice with drones to comprehend perfect intonation
- -Left hand round fingers, 4th finger , elbow to knuckle alignment, back of hand parallel to finger board, opening hand for extension positions, positional fingering

Intonating:

- -Connection with the bow to the string
- -Accurate pitch frequency (HZ) in the left hand in relation to the tonic
- -Bow placement in reference to the fingerboard and bridge (Lanes)
- -Resonating voice in the body of the instrument
- -Vibrato (not used in scales and arpeggios)
- -Practice intonation with double stops

Legato – keeping the connection through the bow changes

Bowings:

-not repeating note at the top of the scale One note per bow (whole notes) Three notes per bow (triplet notes) Four notes per bow (eighth notes) Six notes per bow (triplet notes) Eighth notes per bow (sixteenth notes)

Explain the parts of the diagram:

- -Each fingerboard diagram is labeled with the name of the chord along with its respective Roman Numeral that indicates its function in the scale. Upper/lower case roman numerals indicate the chord quality (major/minor/seventh/diminished) and the smaller number next to it indicates its inversion.
- -VI III II I represents the strings C G D A with A being the highest and I string. These symbols are frequently used in repertoire to denote which string the note is to be played. The VI III II I is ordered in this particular way so the diagram can be laid on the fingerboard.
- represents the nut of the cello (open string)
- -4 vertical lines represent the four strings of the cello
- -Dots on the vertical lines represent each chromatic note from the nut to the fingerboard
- -Numbers to the left of the diagram are used as a quick reference that indicate the chromatic interval (5 = fourth, 7 = fifth, 12 = octave, $24 = 2^{nd} octvae$)
- -the circles with numbers represent the fingers used. Circles = Major arpeggio pattern, Squares = the lowered third in the minor arpeggio
- -blue/red lines connect the major/minor group position



Cello Standards: Arpeggio Finger Patterns

	Inter	val		Fingering	
	Chord	Notes	Start	Shape	Тор
ı	Major	1 3 5	1	1 4 2 [1 3 2]	123
i	minor	1 b 3 5	1	1 x 4 2 [1 x 3 2]	123
VI ⁶	Major	b6 1 b3	Start =>	1 4 2 [1 3 2]	133
vi ⁶	minor	6 1 3	Start =>	1 x 4 2 [1 x 3 2]	1313
IV ⁶ 4	Major	4 6 1	1 - 4 [3 1]	1 4 2 [1 3 2]	13123
iv ⁶ 4	minor	4 b 6 1	1 - 4 [3 1] [4 2]	1 x 4 2 [1 x 3 2]	13123
V ⁷	Dominant Seventh	1 3 5 b 7 (5 7 2 4)	1x4 1 [4 1 4]	2 4 1 4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	2.3132.3
vii ^{o7}	Fully Diminished Seventh	1 b3 b5 bb7 (7 2 4 b6)	Start =>	1 4 - 1 4 [1 3 - 1 3]	13123

Cello Standards: Arpeggios

	C Major								
	Chord	Notes	Start	Shape	Тор				
1	С	CEG	С	EGC	E G C				
i	Cm	C E ^b G	С	E ^b G C	E ^b G C				
VI ⁶	A ^b /C	A ^b C E ^b		C E ^b A ^b	C E ^b - A ^b C				
vi ⁶	Am/C	ACE		CEA	CE-AC				
IV ⁶ ₄	F/C	FAC	CF	ACF	AC-FAC				
iv ⁶ ₄	Fm/C	F A ^b C	CF	A ^b C F	A ^b C - F A ^b C				
V^7	C ⁷	C E G B ^b	CEG	B ^b C E G	$B^b C - E G - B^b C$				
vii ^{o7}	C ^{o7}	$C E^b G^b B^{bb}$		C E ^b - G ^b B ^{bb}	$C E^b - G^b B^{bb} C$				

	C [#] Major								
	Chord	Notes	Start	Shape	Тор				
1	C#	C# E# G#	C#	E# G# C#	E# G# C#				
i	C [#] m	C# E G#	C#	E G# C#	E G# C#				
VI ⁶	A/C [#]	A C [#] E		C [#] E A	C# E - A C#				
vi ⁶	A [#] m/C [#]	A# C# E#		C# E# A#	C# E# - A# C#				
IV^6_4	F#/C#	F# A# C#	C# - F#	A# C# F#	A# C# - F# A# C#				
iv ⁶ ₄	F#m/C#	F# A C#	C# - F#	A C# F#	A C# - F# A C#				
V^7	C ^{#7}	C# E# G# B	C# E# G#	B C* E* G*	B C# - E# G# - B C#				
vii ^{o7}	C ^{#o7}	C [#] E G B ^b		C [#] E − G B ^b	C# E - G B ^b C#				

	D ^b Major								
	Chord	Notes	Start	Shape	Тор				
1	Dp	D ^b F A ^b	D^{b}	F A ^b D ^b	F A ^b D ^b				
i	D⁵m	$D^b F^b A^b$	D^{b}	$F^b A^b D^b$	$F^b A^b D^b$				
VI ⁶	B ^{bb} /D ^b	$B^{bb} D^b F^b$		$D^b F^b B^{bb}$	$D^b F^b - B^{bb} D^b$				
vi ⁶	B ^b m/D ^b	B ^b D ^b F		D ^b F B ^b	D ^b F - B ^b D ^b				
IV ⁶ ₄	G ^b /D ^b	G ^b B ^b D ^b	D ^b - G ^b	$B^b D^b G^b$	$B^b D^b - G^b B^b D^b$				
iv ⁶ ₄	G ^b m/D ^b	G ^b B ^{bb} D ^b	D ^b - G ^b	B ^{bb} D ^b G ^b	$B^{bb} D^b - G^b B^{bb} D^b$				
V ⁷	D ^{b7}	D ^b F A ^b C ^b	$D^b F A^b$	$C^b D^b F A^b$	$C^b D^b - F A^b - C^b D^b$				
vii ^{o7}	D^{b_07}	D ^b F ^b A ^{bb} C ^{bb}		Db Fb - Abb Cbb	$D^b F^b - A^{bb} C^{bb} D^b$				

	D Major								
	Chord	Notes	Start	Shape	Тор				
1	D	D F [#] A	D	F [#] A D	F [#] A D				
i	Dm	DFA	D	FAD	FAD				
VI^6	B ^b /D	B ^b D F		D F B ^b	D F - B ^b D				
vi ⁶	Bm/D	B D F#		D F# B	D F# - B D				
IV ⁶ ₄	G/D	GBD	D G	B D G	BD-GBD				
iv ⁶ ₄	Gm/D	G B ^b D	D G	B ^b D G	B ^b D − G B ^b D				
V^7	D ⁷	D F [#] A C	D F [#] A	C D F [#] A	C D - F* A - C D				
vii ^{o7}	D ^{o7}	D F A ^b C ^b		D F - A ^b C ^b	D F - A ^b C ^b D				



	E ^b Major									
	Chord	Notes	Start	Shape	Тор					
1	Ε ^b	E ^b G B ^b	E^{b}	G B ^b E ^b	G B ^b E ^b					
i	E⁵m	E ^b G ^b B ^b	E ^b	G ^b B ^b E ^b	G ^b B ^b E ^b					
VI ⁶	C _P /E _P	C ^b E ^b G ^b		E ^b G ^b C ^b	E ^b G ^b - C ^b E ^b					
vi ⁶	Cm/E ^b	C E ^b G		E ^b G C	E ^b G − C E ^b					
IV ⁶ ₄	A ^b /E ^b	A ^b C E ^b	E^bA^b	C E ^b A ^b	C E ^b - A ^b C E ^b					
iv ⁶ ₄	A ^b m/E ^b	A ^b C ^b E ^b	E^bA^b	C ^b E ^b A ^b	$C^b E^b - A^b C^b E^b$					
V ⁷	E ^{b7}	E ^b G B ^b D ^b	E ^b G B ^b	D ^b E ^b G B ^b	$D^b E^b - G B^b - D^b E^b$					
vii ^{o7}	E ^{bo7}	E ^b G ^b B ^{bb} D ^{bb}		E ^b G ^b - B ^{bb} D ^{bb}	E ^b G ^b - B ^{bb} D ^{bb} E ^b					

	E Major								
	Chord	Notes	Start	Shape	Тор				
1	E	E G [#] B	E	G [#] B E	G [#] B E				
i	Em	EGB	E	GBE	GBE				
VI ⁶	C/E	CEG		EGC	EG-CE				
vi ⁶	C [#] m/E	C# E G#		E G# C#	E G# - C# E				
IV ⁶ ₄	A/E	A C [#] E	ΕA	C [#] E A	C# E - A C# E				
iv ⁶ ₄	Am/E	ACE	ΕA	CEA	CE-ACE				
V^7	E ⁷	E G [#] B D	E G [#] B	D E G [#] B	D E - G [#] B - D E				
vii ^{o7}	E ^{o7}	E G B ^b D ^b		E G - B ^b D ^b	E G - B ^b D ^b E				

	F Major								
	Chord	Notes	Start	Shape	Тор				
1	F	FAC	F	ACF	ACF				
i	Fm	F A ^b C	F	A ^b C F	A ^b C F				
VI ⁶	D ^b /F	D ^b F A ^b		F A ^b D ^b	F A ^b - D ^b F				
vi ⁶	Dm/F	DFA		FAD	FA-DF				
IV ⁶ ₄	B ^b /F	B ^b D F	F B ^b	D F B ^b	D F - B ^b D F				
iv ⁶ ₄	B ^b m/F	B ^b D ^b F	F B ^b	D ^b F B ^b	D ^b F - B ^b D ^b F				
V ⁷	F ⁷	FACE ^b	FAC	E ^b F A C	E ^b F - A C - E ^b F				
vii ^{o7}	F ^{o7}	F A ^b C ^b E ^{bb}		F A ^b - C ^b E ^{bb}	F A ^b - C ^b E ^{bb} F				

	F [#] Major								
	Chord	Notes	Start	Shape	Тор				
1	F#	F# A# C#	F [#]	A# C# F#	A# C# F#				
i	F [#] m	F# A C#	F#	A C# F#	A C# F#				
VI ⁶	D/F#	D F [#] A		F [#] A D	F# A - D F#				
vi ⁶	D#m/F#	D# F# A#		F# A# D#	F# A# - D# F#				
IV_{4}^{6}	B/F#	B D# F#	F [#] B	D# F# B	D# F# - B D# F#				
iv ⁶ ₄	Bm/F [#]	B D F [#]	F [#] B	D F [#] B	D F# - B D F#				
V^7	F ^{#7}	F# A# C# E	F# A# C#	E F# A# C#	E F* - A* C* - E F*				
vii ^{o7}	F ^{#07}	F [#] A C E ^b		F# A - C E ^b	F [#] A - C E ^b F [#]				



	G [♭] Major									
	Chord	Notes	Start	Shape	Тор					
1	G ^b	G ^b B ^b D ^b	G ^b	$B^b D^b G^b$	$B^b D^b G^b$					
i	G⁵m	G ^b B ^{bb} D ^b	G ^b	$B^{bb} D^b G^b$	$B^{bb} D^b G^b$					
VI ⁶	E ^{bb} /G ^b	E ^{bb} G ^b B ^{bb}		G ^b B ^{bb} E ^{bb}	G ^b B ^{bb} - E ^{bb} G ^b					
vi ⁶	E ^b m/G ^b	E ^b G ^b B ^b		$G^b B^b E^b$	G ^b B ^b - E ^b G ^b					
IV ⁶ ₄	C ^b /G ^b	C ^b E ^b G ^b	G ^b C ^b	E ^b G ^b C ^b	E ^b G ^b - C ^b E ^b G ^b					
iv ⁶ ₄	C ^b m/G ^b	C ^b E ^{bb} G ^b	G ^b C ^b	E ^{bb} G ^b C ^b	E ^{bb} G ^b - C ^b E ^{bb} G ^b					
V ⁷	G ^{b7}	$G^b B^b D^b F^b$	$G^b B^b D^b$	$F^b G^b B^b D^b$	$F^b G^b - B^b D^b - F^b G^b$					
vii ^{o7}	G ^{bo7}	G ^b B ^{bb} D ^{bb} F ^{bb}		G ^b B ^{bb} - D ^{bb} F ^{bb}	G ^b B ^{bb} - D ^{bb} F ^{bb} G ^b					

G Major								
	Chord	Notes	Start	Shape	Тор			
1	G	GBD	G	BDG	BDG			
i	Gm	G B ^b D	G	B ^b D G	B ^b D G			
VI ⁶	E ^b /G	E ^b G B ^b		G B ^b E ^b	G B ^b - E ^b G			
vi ⁶	Em/G	EGB		GBE	GB-EG			
IV^6_4	C/G	CEG	G C	EGC	EG-CEG			
iv ⁶ ₄	Cm/G	C E ^b G	G C	E ^b G C	E ^b G - C E ^b G			
V^7	G ⁷	GBDF	GBD	FGBD	FG-BD-FG			
vii ^{o7}	G ^{o7}	G B ^b D ^b F ^b		G B ^b - D ^b F ^b	G B ^b - D ^b F ^b G			

	A [♭] Major									
	Chord	Notes	Start	Shape	Тор					
1	A^{b}	A ^b C E ^b	A^b	C E ^b A ^b	C E ^b A ^b					
i	A⁵m	A ^b C ^b E ^b	A^{\flat}	C ^b E ^b A ^b	C ^b E ^b A ^b					
VI ⁶	F ^b /A ^b	$F^b A^b C^b$		$A^b C^b F^b$	$A^b C^b - F^b A^b$					
vi ⁶	Fm/A ^b	F A ^b C		A ^b C F	A ^b C - F A ^b					
IV^6_4	D _p \A _p	D ^b F A ^b	$A^b D^b$	F A ^b D ^b	FA ^b - D ^b FA ^b					
iv ⁶ ₄	D ^b m/A ^b	$D^b F^b A^b$	$A^b D^b$	F ^b A ^b D ^b	$F^b A^b - D^b F^b A^b$					
V ⁷	A^{b7}	A ^b C E ^b G ^b	A ^b C E ^b	$G^b A^b C E^b$	$G^b A^b - C E^b - G^b A^b$					
vii ^{o7}	A ^{bo7}	A ^b C ^b E ^{bb} G ^{bb}		A ^b C ^b - E ^{bb} G ^{bb}	$A^b C^b - E^{bb} G^{bb} A^b$					

A Major					
	Chord	Notes	Start	Shape	Тор
1	Α	A C# E	Α	C [#] E A	C [#] E A
i	Am	ACE	Α	CEA	CEA
VI ⁶	F/A	FAC		ACF	AC-FA
vi ⁶	F [#] m/A	F# A C#		A C# F#	A C# - F# A
IV ⁶ ₄	D/A	D F [#] A	A D	F [#] A D	F# A - D F# A
iv ⁶ ₄	Dm/A	DFA	A D	FAD	FA-DFA
V ⁷	A ⁷	A C [#] E G	A C [#] E	G A C [#] E	G A - C [#] E - G A
vii ^{o7}	A ^{o7}	A C E ^b G ^b		A C - E ^b G ^b	A C - E ^b G ^b A



B ^b Major					
	Chord	Notes	Start	Shape	Тор
1	B ^b	B ^b D F	B^{b}	D F B ^b	D F B ^b
i	B⁵m	$B^b D^b F$	B^{b}	D ^b F B ^b	D ^b F B ^b
VI ⁶	G ^b /B ^b	$G^b B^b D^b$		$B^b D^b G^b$	$B^b D^b - G^b B^b$
vi ⁶	Gm/B ^b	G B ^b D		B ^b D G	B ^b D − G B ^b
IV ⁶ ₄	E ^b /B ^b	E ^b G B ^b	$B^b E^b$	G B ^b E ^b	G B ^b - E ^b G B ^b
iv ⁶ ₄	E ^b m/B ^b	E ^b G ^b B ^b	$B^b E^b$	G ^b B ^b E ^b	$G^b B^b - E^b G^b B^b$
V ⁷	B ^{b7}	B ^b D F A ^b	B ^b D F	$A^b B^b D F$	$A^b B^b - D F - A^b B^b$
vii ^{o7}	B ^{bo7}	$B^b D^b F^b A^{bb}$		$B^b D^b - F^b A^{bb}$	$B^b D^b - F^b A^{bb} B^b$

B Major					
	Chord	Notes	Start	Shape	Тор
1	В	B D# F#	В	D# F# B	D# F# B
i	Bm	BD F#	В	D F [#] B	D F# B
VI ⁶	G/B	GBD		B D G	BD-GB
vi ⁶	G#m/B	G# B D#		B D# G#	B D# - G# B
IV ⁶ ₄	E/B	E G [#] B	ВЕ	G [#] B E	G* B - E G* B
iv ⁶ ₄	Em/B	E G B	BE	GBE	GB-EGB
V^7	B ⁷	B D#F#A	B D# F#	A B D# F#	A B - D# F# - A B
vii ^{o7}	B ^{o7}	B D F A ^b		BD-FA ^b	BD-FA ^b B

C ^b Major					
	Chord	Notes	Start	Shape	Тор
1	C_p	C ^b E ^b G ^b	C_p	E ^b G ^b C ^b	E ^b G ^b C ^b
i	C⁵m	C ^b E ^{bb} G ^b	C _p	E ^{bb} G ^b C ^b	E ^{bb} G ^b C ^b
VI ⁶	A^{bb}/C^b	App Cp Epp		C _p E _{pp} V _{pp}	$C^b E^{bb} - A^{bb} C^b$
vi ⁶	A ^b m/C ^b	$A^b C^b E^b$		$C^b E^b A^b$	$C^b E^b - A^b C^b$
IV ⁶ ₄	F ^b /C ^b	$F^b A^b C^b$	C ^b F ^b	$A^b C^b F^b$	$A^b C^b - F^b A^b C^b$
iv ⁶ ₄	F ^b m/C ^b	F ^b A ^{bb} C ^b	C ^b F ^b	A ^{bb} C ^b F ^b	$A^{bb} C^b - F^b A^{bb} C^b$
V ⁷	C ^{b7}	C ^b E ^b G ^b B ^{bb}	C ^b E ^b G ^b	B ^{bb} C ^b E ^b G ^b	$B^{bb} C^b - E^b G^b - B^{bb} C^b$
vii ^{o7}	C ^{bo7}	C ^b E ^{bb} G ^{bb} B ^{bbb}		C ^b E ^{bb} - G ^{bb} B ^{bbb}	C ^b E ^{bb} - G ^{bb} B ^{bbb} C ^b