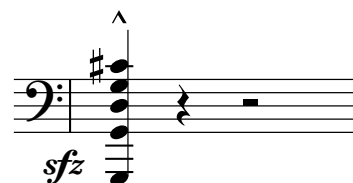


An inverted variation of the main theme (Fig. 3a) is found in 4m1 '85 *Twin Pines Mall* (measure 39). Silvestri uses this variation to underscore the characters' realizations of the negative aspects of time travel. He also varies the theme by stacking the pitches into a vertical, accented chord (Fig. 3b), often orchestrated for low brass, piano, and snap pizzicato in low strings.

Figure 3a



Figure 3b



Silvestri alters the third note of the main theme by lowering it, thus replacing the striking, lydian quality with a pastoral, diatonic quality (Fig. 4). He uses this variation to accompany moments of character introspection, as found in 9m1 *The Letter* and 14m0 *4 x 4*. Silvestri also creates a pastoral variation (Fig. 5) of the second main theme featured in 11m4 *It's Been Educational*. The orchestration of both variations feature solo instruments, such as horn, clarinet, flute, and oboe, with light accompaniment in the strings.

Figure 4

Figure 4 shows a piano accompaniment consisting of two systems of two staves each. The first system starts in 4/4 time, changes to 6/4, then back to 4/4. The second system starts in 4/4, changes to 6/4, then back to 4/4. The music features a variety of textures, including chords, arpeggios, and melodic lines, with some triplets indicated.

Figure 5

Figure 5 shows a piano accompaniment consisting of two systems of two staves each. The first system starts in 5/4 time, changes to 4/4, then back to 5/4. The second system starts in 5/4, changes to 4/4, then back to 5/4. The music features a variety of textures, including chords, arpeggios, and melodic lines, with some triplets indicated.

The remaining motivic material is derived out the symmetrical diminished scale, which, in turn, is derived from the first three notes of the main theme.

The first three notes of the theme outline much of the musical material that weaves its way through the tapestry of the score (Fig. 6). If you create a major chord on the notes B \flat and E of the main theme, it introduces the tritone chord element that Silvestri uses to great effect. The first motivic element he creates is the ringing effect which accompanies the fantasy elements of the film, pertaining to time travel itself. It's usually scored for mallet percussion, 2 harps, piano, celesta, and electric piano (Fig. 7). These two chords, when superimposed, form the basis of the octatonic scale, also commonly known as the symmetrical diminished scale (Fig. 8a) whose form is defined by alternating half step, then whole step. Contained within this scale are 4 major chords and 4 minor chords (B \flat , G, E, and C \sharp). Using the same scale pitches (Fig. 8b), Silvestri also creates a new scale by starting it on the second pitch of the octatonic scale. The pitches in this particular scale, and the chords contained within, are the ones Silvestri favors the most throughout much of the score. There are essentially 3 symmetrical diminished scales, one that starts on B \flat , B, and C, then the pattern repeats. This means, a B \flat scale will contain the same pitches as one that starts on C \sharp .

Figure 6 (chords derived):

Figure 7

Figure 8a

Figure 8b

The ostinato (Fig. 9) that starts out the cue *Clock Tower Pt2* contains pitches from the C octatonic scale. Its shifting meters mean that the downbeats shift as well, which gives an unsettling rhythmic energy to accompany the scene. This figure is also present in the cues *Skateboard Chase* and *'85 Twin Pines Mall*. Surrounding this ostinato are downbeat chords that move to a tritone apart, and octaves on the offbeat (Fig. 10). After several bars of the ostinato, an F \sharp octatonic melody (Fig. 11) plays on the violins and woodwinds. A two bar tension ostinato (Fig. 12) plays when the protagonist is in the most danger, usually by the lowest members of the orchestra. Silvestri adds tension by increasing the number of players in the higher registers.

Figure 9

Figure 10
Figure 11
Figure 12

The following two examples (Figs. 13 & 14) are closely related. They both occur during moments of discovery, when Marty sees his future home hasn't been built yet (Fig. 13), and when Doc from 1955 discovers an invention of his actually works (Fig. 14). Both contain movement between chords a tritone apart and a final cadence using a dotted eighth and sixteenth rhythm. Another discovery motive with chords a tritone apart (Fig. 15) occurs when Doc and Marty retrieve the DeLorean, when Doc reads the clock tower flier, and when Marty admits to accidentally meeting his parents. The rhythm in this example is the reverse of the previous examples' final cadence and the harmony is derived from the G octatonic scale

Figure 13
Figure 14
Figure 15

Silvestri harmonizes the octatonic scale in several instances by transitioning from a major chord to a minor chord a tritone away, then down a minor third to a major chord and repeating the pattern. (Fig. 16). He is able to harmonize each note of every chord within the octatonic scale, meaning, you could follow each voice of the chord and it would occur within the scale, which is why some chords are spelled in an odd manner. In one instance, we hear this as a fast run in both woodwinds and strings before the moment in 3m2 *Disintegrated Einstein* when Doc Brown rejoices after the time machine disappears.

Figure 16

Figure 16 shows a sequence of nine chords on a single staff in treble clef. The chords are: G (major), C#min (minor), Bb (major), Emin (minor), Db (major), Gmin (minor), E (major), Bbmin (minor), and G (major). Each chord is represented by a vertical stack of notes on the staff.

The following examples all occur during several cues, including *Disintegrated Einstein*, *Ditches DeLorean*, *Jigawatts*, *Dreamboat*, and *Doc Returns*. They are short motives that can be layered on top of an ostinato that usually appears in either the horns, trumpets, or trombones (Fig. 17). Then, either the horns or bassoons will play a figure which follows the harmony in a dovetailed fashion (Fig. 18). Cellos and clarinets play a repeating two bar figure, accompanied by bass pizzicato (Fig. 19). Peppered throughout is a short figure that is played either solo or by the combination of tuba, timpani, and low woodwinds, or xylophone, flutes, and piano in a higher register (Fig. 20a). A variation of this follows the opposite contour, starting on the same beat of the measure, and is instead played by muted trumpets, woodwinds, and violins as a chorded figure (Fig. 20b). Violins play the next figure (Fig. 21a). Usually they play the first bar alone, rest for a bar, and then both bars played together along with clarinets and oboes to accent the half step rub on the downbeats of the second bar. Low woodwinds then answer similar to the violins, which outlines chords a tritone apart (Fig. 21b). Silvestri uses what's typically referred to as a "wedge," that is, a simultaneously ascending and descending line that starts on the same pitch. He follows this with a motive that roughly outlines two chords a tritone apart in the second half of the measure (Fig. 22a). Piano, bassoons, and low strings accompany this second half with opposing tritone roots and chords (Fig. 22b)

Figure 17

Figure 17 shows a sequence of four chords on a single staff in treble clef: E (major), Bb (major), E (major), and Bb (major). The chords are played in a rhythmic pattern with eighth notes and rests.

Figure 18

Figure 18 shows a melodic line on a single staff in treble clef, consisting of eighth notes and rests, following the harmonic structure of Figure 17.

Figure 19

Figure 19 shows a repeating two-bar figure in bass clef. The first bar contains a sequence of eighth notes and rests, while the second bar contains a sequence of eighth notes and rests, with some notes marked with accents.

Figure 20a

Figure 20a shows a short melodic figure in bass clef, consisting of a few eighth notes and rests.

Figure 20b

Figure 20b shows a chorded figure in treble clef, consisting of a sequence of chords played in a rhythmic pattern.

Figure 21a

Figure 21a shows a melodic line in treble clef, consisting of eighth notes and rests, with some notes marked with accents.

Figure 21b

Figure 21b shows a chorded figure in bass clef, consisting of a sequence of chords. Above the staff, the chords are labeled: G, Db, G, Bb, E.

Figure 22a

Figure 22a shows a "wedge" figure in bass clef, consisting of a simultaneously ascending and descending line that starts on the same pitch.

Figure 22b

Figure 22b shows a motive in bass clef, consisting of a sequence of chords and notes, with some notes marked with accents.