

# zscore.art

Since 2023, Parham has launched **WWW.ZSCORE.ART** as a brand for his music engraving, orchestration, and other composition services. His first major project under this name was engraving/orchestrating a grand opera by the renowned Israeli composer **Amir Shpilman**, written for orchestra and two stuntwomen.

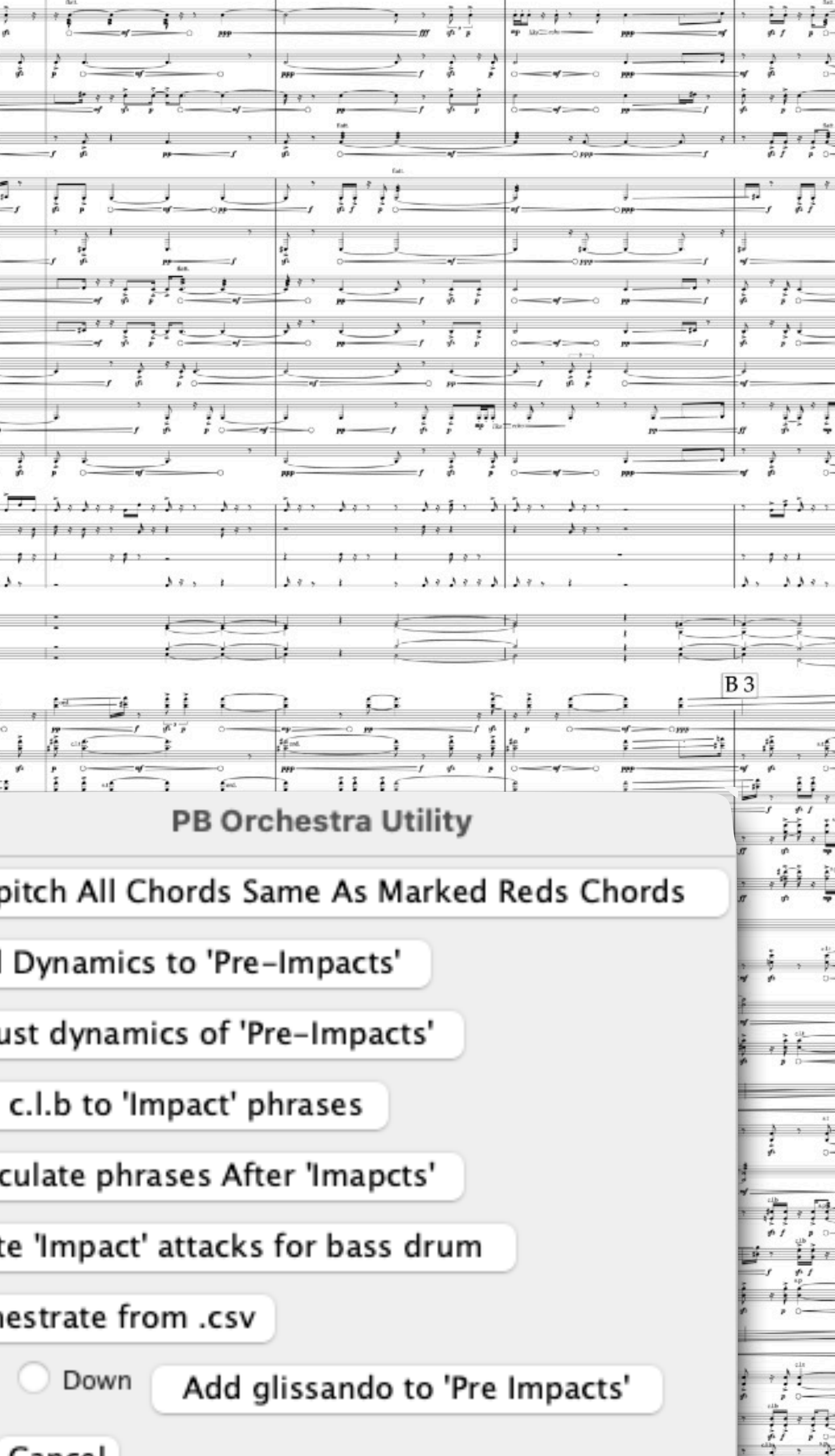
[illegible]This image shows a page from a musical score, likely for a symphony. The page is filled with multiple staves of music, each with its own set of dynamics and articulation. The instruments listed on the left include Flute (Fl.), Oboe (Ob.), Clarinet (Cl.), Bassoon (Fg.), Horn (Hr.), Trumpet (Tp.), Trombone (Tbn.), Tuba (Tub.), Snare Drum (Tm.), Cymbal (Cym.), and Choir. The score is written in a standard musical notation with various dynamic markings such as *ppp*, *pp*, *f*, and *fff*. A section of the score is labeled 'B1' in a large, bold font. The page number '31' is visible in the top left corner. The music is written in a complex, multi-measure format, with many notes and rests. The overall layout is dense and professional, typical of a high-quality musical score.

The orchestration in this section was generated using a computer-assisted process developed by **Parham** as a **Sibelius®** plugin.



from  
score engraving  
to  
score developing

After extensive discussions with **Shpilman**—who feared his ideas couldn't be realized within the limited time—Parham developed a plugin that systematically orchestrated and notated his material in real time, aligning with the composer's creative process. This innovation streamlined the production of documentation and performance notes for conductors.



**PB Orchestra Utility**

- Repitch All Chords Same As Marked Reds Chords
- Add Dynamics to 'Pre-Impacts'
- Adjust dynamics of 'Pre-Impacts'
- Add c.l.b to 'Impact' phrases
- Articulate phrases After 'Impacts'
- Write 'Impact' attacks for bass drum
- Orchestrate from .csv
- ☒ Up ☐ Down Add glissando to 'Pre Impacts'

**OK** **Cancel**

© www.zscore.art

The plugin written with Manuscript™ for Sibelius®

**Modules Instructions:**

### Pre Impact, Impact, Post Impact Modules

A core element of the work is the "Impact phrase." On a timeline, "Impact" represents a catalytic moment that initiates the journey of coping with a traumatic event. This impact is a life-changing focal point, a brief yet powerful moment that continues to resonate in our minds long into the future. The Impact phrase is constructed of three parts:

**Part 1: Pre Impact** - represents everything that happens before the Impact. Usually a tension-building element such as acceleration, crescendo, joining many instruments in a short amount of time, etc.

**Part 2: Impact** - an impactful event, represented through short, explosive, loud, and bursting elements such as subito, high dynamics, orchestral unison, etc.

**Part 3: Post Impact** - an expression of the immediate reaction to an impact, usually having aftershock characteristics such as echo, airy sounds, and decay.

### Impact Phrase Module

To merge with the “uncontrolled” physical actions on the stage, some “Impact phrases” are designed in a flexible manner, allowing the conductor to shorten the pre-impact part according to the action on stage as well as initiate Impacts in sync with the Impact landings of the stuntsman.

An example of a complete "Impact phrase" can be found in Bars 89 - 93.

## Thematic Element module

The Thematic Element Module is a flexible passage that reappears throughout the entire opera and has a dramaturgical function based on various moments in the piece. It is also used as a connector between different scenes.

The module is constructed of harmonic progression with voice leading moving in glissando between melodic and enharmonic chords. The glissando progression has three speeds: slow, medium, and fast. The module is performed by string instruments, and the three speeds vary based on the dramaturgy. Conductors are required to adjust the Thematic Element tempo in accordance with the action on stage.

This module consists of three parts:

1. Beginning
2. Middle
3. End

Each part requires a conductor to cue its arrival. The module also includes three tempos: fast, moderate, and slow.

Example of a complete "Thematic Element Module" can be

### Chapter Instructions and Notes:

**Overture:**

The orchestra follows these groupings as the chapters progress:

**A (Bars 3-10):**

	Group 1	Group 2	Group 3	Group 4
Wind and Brass	F1, Ob 1, BCl 1, Hn 1, Tpt 1, BTr	F2, Ob 2, BCl 2, Hn 2, Tpt 2, Tb 1	CBsn 1, Hn 1, Tb	CBsn 2, Hn 2
Choir	Soprano	Alto	Tenor	Bass
Strings	1+1+1+1+1	1+1+1+1+1	1+1+2+1+2	2+1+2+1+1

**B and C (Bars 11 - 44):**

Group A	Group c	Group d	Group e	Group f	Group g	Group B	Group h	Group i	Group j	Group k
						B1				
P1.1	P1.2	C1.B.2	O1.1	O1.2	T1.B.1	V1.L1	C1.B.1	B.1.D.1	V1.I.1	V1.L.3
C1.1	B1.C.2	H1.2	T1.B.1	H1.1	V1.L.2	V1.L1	T1.1, 2	V1.H.4	V1.I.2	V1.L.5
V1.3		V1.B	V1.II.3	V1.A.4	V1.II.2	V1.1	V1.H.4	V1.H.5	V1.2	D1.5
D1.4	D1.3		V1.3	V1.4	D1.1	D1.1		D1.2		

Group A	Group B	Group C	Group A	Group C	Group A	Group B	Group C	Group A	Group B	Group C
B3										
W1			W4	W11	W8	W1	W8	W1	W8	W1
W2			W5	W2	W9	W2	W9	W2	W9	W2
W3			W6	W3	W10	W3	W10	W3	W10	W3
W4			W7	W4	W11	W4	W11	W4	W11	W4
W5			W8	W5	W12	W5	W12	W5	W12	W5
W6			W9	W6	W13	W6	W13	W6	W13	W6
W7			W10	W7	W14	W7	W14	W7	W14	W7
W8			W11	W8	W15	W8	W15	W8	W15	W8
W9			W12	W9	W16	W9	W16	W9	W16	W9
W10			W13	W10	W17	W10	W17	W10	W17	W10
W11			W14	W11	W18	W11	W18	W11	W18	W11
W12			W15	W12	W19	W12	W19	W12	W19	W12
W13			W16	W13	W20	W13	W20	W13	W20	W13
W14			W17	W14	W21	W14	W21	W14	W21	W14
W15			W18	W15	W22	W15	W22	W15	W22	W15
W16			W19	W16	W23	W16	W23	W16	W23	W16
W17			W20	W17	W24	W17	W24	W17	W24	W17
W18			W21	W18	W25	W18	W25	W18	W25	W18
W19			W22	W19	W26	W19	W26	W19	W26	W19
W20			W23	W20	W27	W20	W27	W20	W27	W20
W21			W24	W21	W28	W21	W28	W21	W28	W21
W22			W25	W22	W29	W22	W29	W22	W29	W22
W23			W26	W23	W30	W23	W30	W23	W30	W23
W24			W27	W24	W31	W24	W31	W24	W31	W24
W25			W28	W25	W32	W25	W32	W25	W32	W25
W26			W29	W26	W33	W26	W33	W26	W33	W26
W27			W30	W27	W34	W27	W34	W27	W34	W27
W28			W31	W28	W35	W28	W35	W28	W35	W28
W29			W32	W29	W36	W29	W36	W29	W36	W29
W30			W33	W30	W37	W30	W37	W30	W37	W30
W31			W34	W31	W38	W31	W38	W31	W38	W31
W32			W35	W32	W39	W32	W39	W32	W39	W32
W33			W36	W33	W40	W33	W40	W33	W40	W33
W34			W37	W34	W41	W34	W41	W34	W41	W34
W35			W38	W35	W42	W35	W42	W35	W42	W35
W36			W39	W36	W43	W36	W43	W36	W43	W36
W37			W40	W37	W44	W37	W44	W37	W44	W37
W38			W41	W38	W45	W38	W45	W38	W45	W38
W39			W42	W39	W46	W39	W46	W39	W46	W39
W40			W43	W40	W47	W40	W47	W40	W47	W40
W41			W44	W41	W48	W41	W48	W41	W48	W41
W42			W45	W42	W49	W42	W49	W42	W49	W42
W43			W46	W43	W50	W43	W50	W43	W50	W43
W44			W47	W44	W51	W44	W51	W44	W51	W44
W45			W48	W45	W52	W45	W52	W45	W52	W45
W46			W49	W46	W53	W46	W53	W46	W53	W46

B4										
W1			W4	W11	W8	W1	W8	W1	W8	W1
W2			W5	W2	W9	W2	W9	W2	W9	W2
W3			W6	W3	W10	W3	W10	W3	W10	W3
W4			W7	W4	W11	W4	W11	W4	W11	W4
W5			W8	W5	W12	W5	W12	W5	W12	W5
W6			W9	W6	W13	W6	W13	W6	W13	W6
W7			W10	W7	W14	W7	W14	W7	W14	W7
W8			W11	W8	W15	W8	W15	W8	W15	W8
W9			W12	W9	W16	W9	W16	W9	W16	W9
W10			W13	W10	W17	W10	W17	W10	W17	W10
W11			W14	W11	W18	W11	W18	W11	W18	W11
W12			W15	W12	W19	W12	W19	W12	W19	W12
W13			W16	W13	W20	W13	W20	W13	W20	W13
W14			W17	W14	W21	W14	W21	W14	W21	W14
W15			W18	W15	W22	W15	W22	W15	W22	W15
W16			W19	W16	W23	W16	W23	W16	W23	W16
W17			W20	W17	W24	W17	W24	W17	W24	W17
W18			W21	W18	W25	W18	W25	W18	W25	W18
W19			W22	W19	W26	W19	W26	W19	W26	W19
W20			W23	W20	W27	W20	W27	W20	W27	W20
W21			W24	W21	W28	W21	W28	W21	W28	W21
W22			W25	W22	W29	W22	W29	W22	W29	W22
W23			W26	W23	W30	W23	W30	W23	W30	W23
W24			W27	W24	W31	W24	W31	W24	W31	W24
W25			W28	W25	W32	W25	W32	W25	W32	W25
W26			W29	W26	W33	W26	W33	W26	W33	W26
W27			W30	W27	W34	W27	W34	W27	W34	W27
W28			W31	W28	W35	W28	W35	W28	W35	W28
W29			W32	W29	W36	W29	W36	W29	W36	W29
W30			W33	W30	W37	W30	W37	W30	W37	W30
W31			W34	W31	W38	W31	W38	W31	W38	W31
W32			W35	W32	W39	W32	W39	W32	W39	W32
W33			W36	W33	W40	W33	W40	W33	W40	W33
W34			W37	W34	W41	W34	W41	W34	W41	W34
W35			W38	W35	W42	W35	W42	W35	W42	W35
W36			W39	W36	W43	W36	W43	W36	W43	W36
W37			W40	W37	W44	W37	W44	W37	W44	W37
W38			W41	W38	W45	W38	W45	W38	W45	W38
W39			W42	W39	W46	W39	W46	W39	W46	W39
W40			W43	W40	W47	W40	W47	W40	W47	W40
W41			W44	W41	W48	W41	W48	W41	W48	W41
W42			W45	W42	W49	W42	W49	W42	W49	W42
W43			W46	W43	W50	W43	W50	W43	W50	W43
W44			W47	W44	W51	W44	W51	W44	W51	W44
W45			W48	W45	W52	W45	W52	W45	W52	W45
W46			W49	W46	W53	W46	W53	W46	W53	W46

B5										
W1			W4	W11	W8	W1	W8	W1	W8	W1
W2			W5	W2	W9	W2	W9	W2	W9	W2
W3			W6	W3	W10	W3	W10	W3	W10	W3
W4			W7	W4	W11	W4	W11	W4	W11	W4
W5			W8	W5	W12	W5	W12	W5	W12	W5
W6			W9	W6	W13	W6	W13	W6	W13	W6
W7			W10	W7	W14	W7	W14	W7	W14	W7
W8			W11	W8	W15	W8	W15	W8	W15	W8
W9			W12	W9	W16	W9	W16	W9	W16	W9
W10			W13	W10	W17	W10	W17	W10	W17	W10
W11			W14	W11	W18	W11	W18	W11	W18	W11
W12			W15	W12	W19	W12	W19	W12	W19	W12
W13			W16	W13	W20	W13	W20	W13	W20	W13
W14			W17	W14	W21	W14	W21	W14	W21	W14
W15			W18	W15	W22	W15	W22	W15	W22	W15
W16			W19	W16	W23	W16	W23	W16	W23	W16
W17			W20	W17	W24	W17	W24	W17	W24	W17
W18			W21	W18	W25	W18	W25	W18	W25	W18
W19			W22	W19	W26	W19	W26	W19	W26	W19
W20			W23	W20	W27	W20	W27	W20	W27	W20
W21			W24	W21	W28	W21	W28	W21	W28	W21
W22			W25	W22	W29	W22	W29	W22	W29	W22
W23			W26	W23	W30	W23	W30	W23	W30	W23
W24			W27	W24	W31	W24	W31	W24	W31	W24
W25			W28	W25	W32	W25	W32	W25	W32	W25
W26			W29	W26	W33	W26	W33	W26	W33	W26
W27			W30	W27	W34	W27	W34	W27	W34	W27
W28			W31	W28	W35	W28	W35	W28	W35	W28
W29			W32	W29	W36	W29	W36	W29	W36	W29
W30			W33	W30	W37	W30	W37	W30	W37	W30
W31			W34	W31	W38	W31	W38	W31	W38	W31
W32			W35	W32	W39	W32	W39	W32	W39	W32
W33			W36	W33	W40	W33	W40	W33	W40	W33
W34			W37	W34	W41	W34	W41	W34	W41	W34
W35			W38	W35	W42	W35	W42	W35	W42	W35
W36			W39	W36	W43	W36	W43	W36	W43	W36
W37			W40	W37	W44	W37	W44	W37	W44	W37
W38			W41	W38	W45	W38	W45	W38	W45	W38
W39			W42	W39	W46	W39	W46	W39	W46	W39
W40			W43	W40	W47	W40	W47	W40	W47	W40
W41			W44	W41	W48	W41	W48	W41	W48	W41
W42			W45	W42	W49	W42	W49	W42	W49	W42
W43			W46	W43	W50	W43	W50	W43	W50	W43
W44			W47	W44	W51	W44	W51	W44	W51	W44
W45			W48	W45	W52	W45	W52	W45	W52	W45
W46			W49	W46	W53	W46	W53	W46	W53	W46

B6										
W1			W4	W11	W8	W1	W8	W1	W8	W1
W2			W5	W2	W9	W2	W9	W2	W9	W2
W3			W6	W3	W10	W3	W10	W3	W10	W3
W4			W7	W4	W11	W4	W11	W4	W11	W4
W5			W8	W5	W12	W5	W12	W5	W12	W5
W6			W9	W6	W13	W6	W13	W6	W13	W6
W7			W10	W7	W14	W7	W14	W7	W14	W7
W8			W11	W8	W15	W8	W15	W8	W15	W8
W9			W12	W9	W16	W9	W16	W9	W16	W9
W10			W13	W10	W17	W10	W17	W10	W17	W10
W11			W							

**End of Illusion:**

Each **Impact** and **Pre Impact** should represent stuntwoman's impacts.

### Defence Mechanism I, II:

### The Impact Sequence

This chapter is designed for flexibility, allowing real-time adaptation by the conductor and performers. Each Impact should represent stuntwoman's impact.

It includes an Opening Impact followed by four distinct Impacts, each with unique colors and dynamics.

### each With Structure

**Opening Impact (Bars 67, 185):** Play once, synchronized with the stuntwoman's spring.

**Four Impacts:** Follow the O

**Four impacts.** Follow the character with stunt:

- Impact 1 (Bars 68, 186)