

# RADIATION

(6人の打楽器奏者とピアノのための)

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## Radiation

(for 6 Percussionists and a Pianoforte)

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### Instruments

|     |                 |        |
|-----|-----------------|--------|
| I   | Marimba         | Mba    |
|     | 5 Temple-blocks | Tp. bl |
|     | Triangle        | Trg    |
|     | 2 Wood-Blocks   | W. Bl  |
|     | Side Drum       | S. D   |
| II  | Glockenspiel    | Glock  |
|     | 5 Tom-Toms      | Tom-T  |
|     | 2 Maracus       | Marc   |
|     | 3 crotales      | crt    |
|     | Whip            | Whip   |
| III | Xylophon        | Xylo   |
|     | Tenor Drum      | T. D   |
|     | 2 Bongos        | Bgo    |
|     | Conga           | Cga    |
|     | rattle          | ratl   |
|     | 3 Block-Metales | Bl-M   |
|     | Tamburo Basco   | T. B   |

|    |                      |        |
|----|----------------------|--------|
| IV | Vibraphon            | Vib    |
|    | 3 cymbales (suspend) | cy. s  |
|    | 3 Tom-Toms           | Tom-T  |
|    | 4 Cow-Bell           | C-Bell |
|    | Guiro                | Guiro  |
|    | cymbale (two plate)  | cym    |
| V  | 3 Timpani            | Timp   |
|    | 3 cymbales (suspend) | cy. s  |
|    | cymbale chainoise    | cy. ch |
|    | hi-hat               | h. h   |
|    | claves               | cls    |
|    | Bass Drum            | B. D   |
| VI | Tubular Bells        | T-Bell |
|    | Tamburo Basco        | T. B   |
|    | Side Drum            | S. D   |
|    | Bass Drum (pedal)    | B. D   |
|    | 2 Gongs              | Gong   |
|    | Tam-Tam              | Tam-T  |
|    | 2 Maracus            | Marc   |
|    | Pianoforte           | P. f   |

Handwritten musical score for a percussion ensemble. The score is written on multiple staves. It includes parts for I Trg, II Clt, III T.B, IV C-Bell, V Cys, and Cyl. The music features various rhythmic patterns, including eighth and sixteenth notes, and rests. Dynamics such as pp, mf, and pf are indicated. Performance instructions like "8 F/sec", "8va", and "con ped" are present. The score is divided into sections by double bar lines.

Handwritten musical score for a percussion ensemble. The score is organized into systems, with parts for various instruments and dynamics.

**II Cr+T**: Features a melodic line with a *cresc.* marking.

**III T.B.**: Features a wavy line with a *cresc.* marking.

**IV C-Bell**: Features a wavy line with a *cresc.* marking.

**V Cychr**: Features a melodic line with *cresc.* and *dim.* markings.

**VI Gong/Tam-T**: Features a melodic line with a *dim.* marking.

**8va**: Features a melodic line with a *cresc.* marking.

**P.f.**: Features a melodic line with a *p.f.* marking and a *(sec)* marking.

**I Tpb1**: Features a melodic line with a *168/sec* marking and a *pp* marking.

**II Cr+T**: Features a melodic line with a *pp* marking and a *f dim.* marking.

**III T.B.**: Features a wavy line with a *dim.* marking.

**IV C-Bell**: Features a wavy line with a *dim.* marking.

**VI Marc.**: Features a melodic line with a *Marc.* marking and a *p* marking.

**P.f.**: Features a melodic line with a *p.f.* marking and a *dim.* marking.

Handwritten musical score for percussion instruments. The score is organized into systems with various parts and markings.

- I Trg**: Features a melodic line with dynamics *P*, *mf*, and *pp*.
- II Marc**: Includes a melodic line with a *dim.* marking and a *pp* dynamic.
- IV Vib**: Features a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and dynamics *pp* and *non ped*.
- VI Marc**: Includes a melodic line with a *f* dynamic, a *dim.* marking, and a *pp* dynamic.
- I Trg**: Features a melodic line with a *P* dynamic.
- II Glock**: Includes a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and a *pp* dynamic.
- III Bl-M**: Includes a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and a *p* dynamic.
- IV Vib**: Features a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and a *p* dynamic.
- VI T-Bell**: Includes a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and a *pp* dynamic.
- P.f.**: Includes a melodic line with a tempo marking of  $8 \text{♩}/\text{sec}$  and dynamics *p*, *mp*, and *8va*.

Handwritten musical score for the first system, featuring multiple staves with various instruments and dynamic markings.

- I Trg**: Treble clef, key signature of one sharp (F#). Dynamics: *mf*, *p*, *pp*, *cresc.*
- II Glock**: Treble clef, key signature of one sharp (F#). Dynamics: *cresc.*
- III Bl-M**: Bass clef, key signature of one sharp (F#). Dynamics: *cresc.*
- IV Vib**: Treble clef, key signature of one sharp (F#). Dynamics: *cresc.*
- V**: Grouped staves for *exs* and *cychr*. Dynamics: *pp*.
- VI Gong Tam-T**: Treble clef, key signature of one sharp (F#). Dynamics: *p*, *cresc. poco a poco*.
- P.f**: Piano part, Treble and Bass clefs, key signature of one sharp (F#). Dynamics: *p.f*, *f*, *cresc.*, *8va*.

Handwritten musical score for the second system, continuing the piece with various instruments and dynamic markings.

- I Trg**: Treble clef, key signature of one sharp (F#). Dynamics: *ff*.
- II Glock**: Treble clef, key signature of one sharp (F#). Dynamics: *ff*.
- III Bl-M**: Bass clef, key signature of one sharp (F#). Dynamics: *ff*.
- IV Vib**: Treble clef, key signature of one sharp (F#). Dynamics: *ff*.
- V**: Grouped staves for *exs* and *cychr*. Dynamics: *cresc.*, *ff*.
- VI Gong Tam-T**: Treble clef, key signature of one sharp (F#). Dynamics: *ff*, *ff*, *B.D*, *ff*.
- P.f**: Piano part, Treble and Bass clefs, key signature of one sharp (F#). Dynamics: *ff*.

Handwritten musical score for a jazz ensemble, featuring staves for Mba, Tom, T.D. Bgo, Cga, V B.D., and VI T.B., S.D., B.D. The score includes various musical notations such as notes, rests, dynamics (p, cresc., dim, ff, pp, mp, f, p.f.), and articulation (accents, slurs). A section marked "1)" shows a melodic line for Mba with a box containing notes:  $\text{a} \cdot \text{b} \cdot \text{a} \cdot \text{b} \cdot \text{a} \cdot \text{b} \cdot \text{a} \cdot \text{b} \cdot \text{a}$ . A section marked "V cls" shows a melodic line for V B.D. with notes:  $\text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p}$ . A section marked "9♯/sec." shows a melodic line for VI T.B., S.D., B.D. with notes:  $\text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f} \cdot \text{p} \cdot \text{f}$ . The score also includes a section marked "non ped" (non pedal).

1) continue improvising with given notes

Handwritten musical score for percussion instruments. The score is divided into two systems.

**First System:**

- I Tr. b**: Treble clef, key signature of two sharps (F# and C#), marked *mf*. The notation shows a series of eighth notes.
- II Glock**: Treble clef, marked *mf*. The notation shows a series of eighth notes.
- III Xylo**: Treble clef, marked *mf*. The notation shows a series of eighth notes, with a box highlighting a specific phrase.
- IV Vib**: Treble clef, marked *mf*. The notation shows a series of eighth notes.

**Second System:**

- III ratl.**: Treble clef, marked *ff*. The notation shows a series of eighth notes.
- IV Guiro**: Treble clef, marked *ff*. The notation shows a series of eighth notes.

**Other markings and instructions:**

- cresc.**: Crescendo marking.
- con ped.**: Con pedal marking.
- 8va**: Octave marking.
- p.f.**: Piano forte marking.
- f**: Forte marking.

Handwritten musical score for a percussion ensemble. The score is organized into two systems, each with multiple staves. The instruments and parts are labeled as follows:

- Staff I:** Trg (Triangle) with a tempo marking of 8♩/sec.
- Staff II:** Whip with a dynamic marking of *sf*.
- Staff III:** Ratt (Rattle).
- Staff IV:** Guira (Güira).
- Staff V:** Timp (Timpani) with a dynamic marking of *ff*.
- Staff VI:** T.D. (Tom-Tom), B.D. (Bongos), and S.D. (Snare Drum).
- Staff VII:** C-Bell (Cymbal).
- Staff VIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff IX:** C.Bell (Cymbal).
- Staff X:** C.Bell (Cymbal).
- Staff XI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XIV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XVI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XVII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XVIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XIX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXIV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXVI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXVII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXVIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXIX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXIV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXVI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXVII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXVIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XXXIX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XL:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLIV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLV:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLVI:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLVII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLVIII:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff XLIX:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).
- Staff L:** T.B. (Tom-Bongos), S.D. (Snare Drum), and B.D. (Bongos).

The score includes various musical notations such as notes, rests, and dynamic markings (*sf*, *ff*, *p*). There are also tempo markings (8♩/sec, 6♩/sec) and a double bar line indicating a section change.



Handwritten musical score for "The Fire of Love" by John Williams. The score is written for percussion instruments and includes the following parts:

- I Tuba (Tp. bl):** Features a melodic line with a dynamic marking of *p* (piano).
- II Snare Drum (Cr.):** Features a rhythmic pattern.
- III Bass Drum (Bl-M):** Features a rhythmic pattern.
- IV Tom-Tom (Tom):** Features a rhythmic pattern.
- V Timp (Timp):** Features a rhythmic pattern.
- VI T-Bell (T-Bell):** Features a melodic line with a dynamic marking of *mp* (mezzo-piano).

The score includes various musical notations such as dynamics (*p*, *mp*, *f*, *cresc.*), articulation (*acc.*), and phrasing (*poco a poco cresc.*). The key signature is one sharp (F#) and the time signature is 2/4.

I { W.B. *mf* *cresc.* *ff*  
 Trp. *mf* *cresc.* *ff*  
 II Whip "  
 T.D. *mf*  
 III Bgo *mf*  
 Cga *mf*  
 IV Tam-T *mf*  
 V Timp *mf* *piu cresc.*  
 VI Gong *mf*  
 Tam-T *mf* *ff*

I Mba *mf*  
 II Glock *mf*  
 III xylo *mf*  
 IV Vib *mf*  
 V Timp *mf* *h.h.* *f* *T.B.* *ff*  
 VI T.B. *ff*  
 S.D. *ff*  
 B.D. *ff*  
 Hp *p.f.* *ff*

Handwritten musical score for percussion instruments:

- I Mba *ff*
- II Glock *ff*
- III Xylo *ff*
- IV Vib *ff*
- V h.h *ff*
- VI T.B *ff*
- Si.D *ff*
- B.D *ff*

The score includes various rhythmic notations and dynamic markings such as *ff* (fortissimo) and *ffp* (fortissimissimo).

Handwritten musical score for piano and percussion:

- Piano part: *p.f* (pianissimo-fortissimo), *ffp* (fortissimissimo), *stacc.* (staccato), *non ped* (non pedale).
- Percussion part: *4♩/sec.* (4 eighth notes per second), *stacc.* (staccato), *non ped* (non pedale).

The score includes various rhythmic notations and dynamic markings such as *p.f*, *ffp*, *stacc.*, and *non ped*.

1) cluster of white keys

Handwritten musical score for piano and percussion:

- Piano part: *p.f* (pianissimo-fortissimo), *ff* (fortissimo), *stacc.* (staccato), *non ped* (non pedale).
- Percussion part: *4♩/sec.* (4 eighth notes per second), *stacc.* (staccato), *non ped* (non pedale).

The score includes various rhythmic notations and dynamic markings such as *p.f*, *ff*, *stacc.*, and *non ped*.

Handwritten musical score system 1. It features a grand staff with three staves. The first two staves are marked *p.f.* (pianissimo). The third staff has a melodic line with dynamics *mf* and *ff*. There are various accidentals and a fermata over a chord in the first staff.

Handwritten musical score system 2. It features a grand staff with three staves. The first two staves are marked *p.f.* (pianissimo). The third staff has a melodic line with a *cresc.* (crescendo) marking. There are various accidentals and a fermata over a chord in the first staff.

Handwritten musical score system 3. It features a grand staff with three staves. The first two staves are marked *p.f.* (pianissimo). The third staff has a melodic line with a *8/8 sec* (8/8 second) marking. There are various accidentals and a fermata over a chord in the first staff.

Handwritten musical score system 4. It features a grand staff with three staves. The first two staves are marked *p.f.* (pianissimo). The third staff has a melodic line with a *9/8 sec* (9/8 second) marking. There are various accidentals and a fermata over a chord in the first staff. The system ends with a wavy line.



I S.D. w.bl. T.p.bl.

II Tom-T

III T.D. B30 cga

V Cx.S. Cx.ch. h.w.

VI Gong Tam-T

P.f.

1) *fff* sempre 2) *b* (sec)

1) cluster of white keys  
2) cluster of black keys

I S.D. w.bl. T.p.bl. *Improvisation rapid* *fff* (rim-shot) *fff*

II Cx.T. Tom-T *Improvisation rapid* *fff* *fff*

III B1-M T.D. B30 cga *Improvisation rapid* *fff* G.P. *fff*

IV Tom-T Cx.S. *Improvisation rapid* *fff* *fff*

V Cx.S. *cresc.* *mf* *fff* (sec)

VI Gong Tam-T *fff* *mf* *cresc.* *fff* (sec)

B.D. S.D. B.D. *fff* *fff* *fff*