



# Francois-Xavier JEAN

France

## Le vitrail a bouge? (opus 89, No.25 )

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### A propos de la pièce



**Titre :** Le vitrail a bouge?  
[opus 89, No.25 ]  
**Compositeur :** JEAN, Francois-Xavier  
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**Instrumentation :** Orgue seul  
**Style :** 20eme siecle  
**Commentaire :** séries vectorielles: translations, symétries miroir, symétrie rétrograde et homothétie ...

Francois-Xavier JEAN sur [free-scores.com](https://www.free-scores.com)



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## quelques vectorisations musicales

soit  $S_0$ , une Suite

$S_0$  suite de notes (G \ F# / A \ D# / G / B  
de vecteur  $V (-1, +3, -6, +4, +4)$

### 1. Translation -3 sur $S_0$

$S_1 = (E \ D# / F# \ C / E / G#)$

### 2. miroir de $S_0 = (+1, -3, +6, -4, -4)$

$S_2 = (G# / Bb \ G / E \ C \ Ab)$

### 3. rétrograde de $S_0 = (+4, +4, -6, +3, -1)$

$S_3 = (G# / C / Eb / Db \ C)$

### 4. Homothétie $\times 2$ de $S_0$

$(-2, +6, -12, +8, +8)$

$S_3 = (G# \ F# / C \ C / G# / E)$

SO E\Eb\C/Db/A/G/E  
soit V (-1, -3, +1, -4, -2, -3)



miroir de SO sur E

soit V (+1, +3, -1, +4, +2, +3)

S1 (E/F /Ab\G/ B / Db/ Eb/ Gb)

The image shows a musical score for guitar in 4/4 time, consisting of two staves. The top staff has a treble clef and the bottom staff has a bass clef. The notes are: Treble (B4, A4, G4, F4, E4, D4), Bass (E3, F3, Ab3, G3, B2, Db3, Eb3, Gb3). The notes are connected by a slur, indicating a sequence of fretting positions.

rétrograde de S2 sur F

soit V (+3, +2, +4, -1, +3, +1)

S3 (F/Ab/Bb/D\Db/E/F)



S0 homothétie X2

soit V (-2, -6, +2, -8, -8, -4, -6)

S4 sur D (D\C\Gb/G\Bb\D\Bb\G)



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♩ = 56

The first system of music consists of two staves, treble and bass clef, in 4/4 time. The treble staff begins with a treble clef, a key signature of one flat (B-flat), and a 7-measure rest. The melody starts on the second measure with a quarter note G4, followed by quarter notes F4, E4, D4, and C4. The bass staff has a 7-measure rest, then begins with a quarter note G2, followed by quarter notes F2, E2, and D2. The system concludes with a double bar line and a 4/4 time signature.

3

The second system of music consists of two staves, treble and bass clef, in 4/4 time. The treble staff begins with a treble clef, a key signature of one flat, and a 3-measure rest. The melody starts on the fourth measure with a quarter note G4, followed by quarter notes F4, E4, and D4. The bass staff begins with a quarter note G2, followed by quarter notes F2, E2, and D2. The system concludes with a double bar line and a 4/4 time signature.

6

The third system of music consists of two staves, treble and bass clef, in 4/4 time. The treble staff begins with a treble clef, a key signature of one flat, and a 6-measure rest. The melody starts on the seventh measure with a quarter note G4, followed by quarter notes F4, E4, and D4. The bass staff begins with a quarter note G2, followed by quarter notes F2, E2, and D2. The system concludes with a double bar line and a 4/4 time signature.

8

Musical notation for measures 8 and 9. Measure 8 features a treble clef with a key signature of one flat and a bass clef with a key signature of two flats. Measure 8 contains a whole note chord in the treble and a whole note chord in the bass. Measure 9 contains a half note chord in the treble and a half note chord in the bass.

10

Musical notation for measures 10 and 11. Measure 10 features a treble clef with a key signature of one flat and a bass clef with a key signature of two flats. Measure 10 contains a half note chord in the treble and a half note chord in the bass. Measure 11 contains a half note chord in the treble and a half note chord in the bass.