

Coriolis

for string orchestra

Jordan Nobles

Dedicated to Jennifer Butler & Michael Begg
Vancouver 2006 (rev.2025)

Coriolis

for string orchestra

Commissioned by the Canadian Music Centre with support from the **Spirit of BC Arts Fund**.
Originally written as a choral piece, the premiere of which was given by the *musica intima*
vocal chamber ensemble on September 29, 2006.

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Duration: approximately 5 minutes.

Instrumentation: String Orchestra (minimum 3,3,3,2,1)
Timpani (optional)

Program Note

Coriolis is named after the French scientist and mathematician Gaspard-Gustave de Coriolis who identified what has become known as the *Coriolis Effect*. The effect that the rotation of the earth has on moving objects, ballistics, cyclones, wind and ocean currents, etc. For instance winds around the center of a cyclone rotate counterclockwise on the northern hemisphere and clockwise on the southern hemisphere due to the Coriolis Effect.

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$\text{♩} = 72$

sul tasto

Violin I

Violin II

Viola

Violoncello

Contrabass

Timpani

Measures 1-8 of the score. The tempo is 72 beats per minute. The key signature has one sharp (F#). The time signature is 4/4. The strings play a sustained melody with a *mp* (mezzo-piano) dynamic. The Violin I part has a *sul tasto* instruction. The Violoncello part has a *sul tasto* instruction. The Timpani part is silent.

Measures 9-16 of the score. The strings continue their sustained melody with a *mp* (mezzo-piano) dynamic. The Violin I part has a *sul tasto* instruction. The Violoncello part has a *sul tasto* instruction. The Timpani part is silent.

16

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

mp

mp

mp

mp

mp

mp

mf



23

A

ord.

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

mf

ord.

mf

mf

mf

mf

mf

mf

29

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

34 **B**

Vln. I

Div. a2

Vln. II

Div. a2

Vla.

Vc.

Cb.

Timp.

38

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

mp

mf

pp

pp

42 **C**

Vln. I
f

Vln. II
f

Vla. Div.a2
ord.
f

Vc. Div.a2
ord.
f

Cb.
f
mf

Timp.
f

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48

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

mp *mf*

Measure 48: Vln. I (F#4, G#4, A4, B4), Vln. II (F#4, G#4, A4, B4), Vla. (F#4, G#4, A4, B4), Vc. (F#4, G#4, A4, B4), Cb. (F#4, G#4, A4, B4), Timp. (F#4, G#4, A4, B4).

Measure 49: Vln. I (F#4, G#4, A4, B4), Vln. II (F#4, G#4, A4, B4), Vla. (F#4, G#4, A4, B4), Vc. (F#4, G#4, A4, B4), Cb. (F#4, G#4, A4, B4), Timp. (F#4, G#4, A4, B4).

Measure 50: Vln. I (F#4, G#4, A4, B4), Vln. II (F#4, G#4, A4, B4), Vla. (F#4, G#4, A4, B4), Vc. (F#4, G#4, A4, B4), Cb. (F#4, G#4, A4, B4), Timp. (F#4, G#4, A4, B4).

Measure 51: Vln. I (F#4, G#4, A4, B4), Vln. II (F#4, G#4, A4, B4), Vla. (F#4, G#4, A4, B4), Vc. (F#4, G#4, A4, B4), Cb. (F#4, G#4, A4, B4), Timp. (F#4, G#4, A4, B4).

Measure 52: Vln. I (F#4, G#4, A4, B4), Vln. II (F#4, G#4, A4, B4), Vla. (F#4, G#4, A4, B4), Vc. (F#4, G#4, A4, B4), Cb. (F#4, G#4, A4, B4), Timp. (F#4, G#4, A4, B4).

53

Vln. I

Vln. II

Vla.

Vc.

Cb.

Timp.

mp *mf*

This musical score page contains measures 53 through 57 of a piece. The score is written for a string quartet (Violin I, Violin II, Viola, and Violoncello/Double Bass) and a Timpani player. The key signature has one sharp (F#), and the time signature is common time (C). Measure 53 begins with a treble clef and a key signature change to one sharp. The Violin I part features a melodic line with a slur over measures 53-54. The Violin II part has a similar melodic line. The Viola and Violoncello parts provide harmonic support with various rhythmic patterns. The Timpani part is mostly silent, with a few notes in measures 54 and 55. The score concludes with a dynamic marking of *mp* (mezzo-piano) in measure 56, which transitions to *mf* (mezzo-forte) in measure 57.

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slight accelerando until E

63

mf *f*

Vln. I
Div. a3

mf *f*

Vln. II

mf *f*

Vla.
Div. a3

mf

Vc.

mf

Cb.

mf

Timp.

[illegible]

Timp.

78

Vln. I
Div. a2

Vln. II
Div. a2

Vla.
Div. a2

Vc.

Cb.

Timp.

f

mf

f

mf

f

mf

f

mf

mf

mp

84

Vln. I

mp

mp

mp

sul tasto

Vln. II

mp

(mf)

mp

sul tasto

mp

mp

sul tasto

Vla.

mp

mp

mp

sul tasto

mp

mp

sul tasto

Vc.

mp

mp

mp

sul tasto

mp

mp

sul tasto

Cb.

mp

mp

mp

sul tasto

mp

mp

sul tasto

Timp.

