Supplemental materials online: Apendix of Fact Sheets of stimuli and suplemmental

Tables to be linked to the published article.

Apendix:

Fact Sheets of the 52 pictorial stimuli

Note: Since from the 52 pictorial stimuli presented in Experiment 1, only 32 were used in Experiment 2, obviously, only 32 stimuli will have the value of video in Experiment 2. (V = valence, A = arousal).

- 1. Author Alejandro Franco, Title *Pomegranate skin Study II (red)*, Year 1993, Ratings in Experiment 1 (alone) V = 4.1, A = 4.3; Ratings in Experiment 2 (in video) V = 5.3, A = 5.1.
- 2. Anonymous, *Title Figure of a bull from the caves of Lascaux* (France), ca.15.000 B.C, Exp 1 *V* = 5.1, *A* = 5.4.
- 3. Edvard Munch, The sick girl (black), 1896, Exp 1 V = 3.7, A = 4.8; Exp 2 V = 3.8, A = 4.4.
- 4. Agnolo Bronzino, San Sebastian (without arrow), ca.1525–8, Exp 1 V = 6.0, A = 3.6; Exp 2 V = 4.7, A = 4.2.
- 5. Francisco De Goya, La Leocadia, ca. 1819, Exp 1 V = 4.7, A = 3.6.
- 6. Anonymous, Book of Kells (Irish miniature), S. VIII, Exp 1 V = 5.6, A = 3.9; Exp 2 V = 4.9, A = 4.7.
- 7. Miquel Barceló, *The great Spanish dinner*, 1985, Exp 1 V = 3.9, A = 3.9; Exp 2 V = 4.5, A = 4.0.
- 8. José Antolínez, *Immaculate Conception*, 1666, Exp 1 V = 6.5, A = 3.3; Exp 2 V = 5.0, A = 3.5.
- 9. Jean-François Millet, *The Angelus*, 1859–1860, Exp 1 V = 5.6, A = 4.2.
- 10. Richard Hamilton, Transition III, 1954, Exp 1 V = 4.3, A = 3.5.
- 11. Francisco de Goya, Saturn devouring his children, ca. 1819, Exp 1 V = 2.3, A = 7.5; Exp 2 V = 2.6, A = 7.4.
- 12. Vincent Van Gogh, Still Life with Basket of Apples, 1887–1888, Exp 1 V = 5.4, A = 3.2; Exp 2 V = 5.9, A = 3.9.
- 13. Nicolaes Maes, The disobedient drummer (Figures in an interior), 1656–1657, Exp 1 V = 5.8, A = 4.3; Exp 2 V = 5.8, A = 5.5.
- 14. Johannes Vermeer, Detail of the red hat of "Women with red hat", 1666–1667, Exp 1 V = 3.4, A = 5.5; Exp 2 V = 4.8, A = 5.0.
- 15. Chaim Soutine, Back to school after the storm, 1939, Exp 1 V = 6.1, A = 4.3.
- 16. Francisco de Goya, *Still Learns*, 1824–28, Exp 1 V = 4.8, A = 4.7.

- 17. Edvard Munch, *The Scream*, 1893, Exp 1 V = 4.3, A = 7.0; Exp 2 V = 3.8, A = 5.4.
- 18. Sarah Morris, Rio (with palm trees), 2000, Exp 1 V = 4.7, A = 5.8.
- 19. Victor Vassarely, *Triond*, 1973, Exp 1 V = 5.9, A = 5.3; Exp 2 V = 6.4, A = 5.3.
- 20. Francisco de Goya / Asenjo Juliá, *Colossus*, 1808–1812, Exp 1 V = 3.7, A = 6.4.
- 21. Franz Hals, Fiddling Fisher, ca. 1630, Exp 1 V = 6.0, A = 4.5; Exp 2 V = 6.2, A = 4.9.
- 22. Katsushika Hokusai, *The wave of the coast of Kanagawa*, 1830–1832, Exp 1 V = 5.2, A = 5.8; Exp 2 V = 4.5, A = 6.3.
- 23. Diego Velazquez, Detail of women in the foreground of the Painting of the Spinners (also known as The Fable of Arachne), 1657, Exp 1 V = 6.0, A = 4.6; Exp 2 V = 4.6, A = 5.9.
- 24. Vincent Van Gogh, Flowering Acacias, 1890, Exp 1 V = 5.4, A = 4.2; Exp 2 V = 5.0, A = 4.0.
- 25. Paul Klee, Walpurgis Night, 1935, Exp 1 V = 3.8, A = 5.1; Exp 2 V = 4.1, A = 5.6.
- 26. Diego Velazquez, Curtain details of the picture of "Prince Baltasar Carlos with his servant", 1631, Exp 1 V = 3.6, A = 4.5; Exp 2 V = 3.9, A = 4.7.
- 27. Edvard Munch, The sick child (in red), 1896, Exp 1 V = 3.9, A = 5.1; Exp 2 V = 4.9, A = 5.7.
- 28. Vincent Van Gogh, Still life. Basket of apples, 1885, Exp 1 V = 4.9, A = 3.1.
- 29. Manuel Viola, *Black and white*, 1960, Exp 1 V = 3.7, A = 6.2; Exp 2 V = 4.8, A = 5.5.
- 30. Agnolo Bronzino, San Sebastian (with arrow), ca. 1525–8, Exp 1 V = 5.1, A = 4.6.
- 31. Eitoku Kano (Kano School), *The mountain village shrouded in fog*, S. XVI, Exp 1 V = 4.9, A = 3.5.
- 32. Johannes Vermeer, Women with red hat (original), 1666-1667, Exp 1 V=5.1, A=4.4.
- 33. Vincent Van Gogh, Skull with burning cigarette, 1885 1886, Exp 1 V = 3.5, A = 6.4.
- 34. Francisco de Goya, La Leocadia (detail of the ocher rock), ca. 1819, Exp 1 V = 4.0, A = 4.1; Exp 2 V = 5.3, A = 4.7.
- 35. Edvard Munch, *The sick child (in sepia)*, 1896, Exp 1 *V* = 3.2, *A* = 6.2; Exp 2 *V* = 4.3, *A* = 6.2.
- 36. Mark Rothko, *Green and Maroon*, 1953, Exp 1 V = 4.4, A = 2.9.
- 37. Vincent Van Gogh, Portrait of Alexander Reid, 1887, Exp 1 V = 5.2, A = 4.0; Exp 2 V = 5.7, A = 4.5.
- 38. Fernando Zobel, *Dry garden*, 1969 Exp 1 V = 5.3, A = 3.0.
- 39. José Antolínez., Death of the Virgin, 1670–75, Exp 1 V = 6.2, A = 4.0; Exp 2 V = 6.6, A = 5.7.
- 40. Vincent Van Gogh, Auvers House, 1890 Exp 1 V = 6.1, A = 3.6; Exp 2 V = 6.0, A = 5.0.
- 41. Diego Velázquez, Prince Baltasar Carlos with his servant, 1631, Exp 1 V = 5.0, A = 4.3.
- 42. Vincent Van Gogh, Selfportrait, 1889, Exp 1 V = 5.1, A = 4.9; Exp 2 V = 5.7, A = 4.5.
- 43. Francisco de Goya, *The Dog*, ca. 1819, Exp 1 V = 4.8, A = 3.4.
- 44. Vincent Van Gogh, Two young girls, 1890, Exp 1 V = 4.1, A = 5.0; Exp 2 V = 4.2, A = 4.7.

- 45. Anonymous, Pantocrator Romanesque From San Clemente Tahull, S XII, Exp 1 V = 4.4, A = 4.8.
- 46. Vincent Van Gogh, *Rosas*, 1890, Exp 1 V = 6.6, A = 3.6; Exp 2 V = 4.9, A = 4.3.
- 47. Edvard Munch, *The sick child (complete picture)*, 1926–1927, Exp 1 V = 4.4, A = 5.1; Exp 2 V = 3.6, A = 6.6.
- 48. Diego Velazquez, Detail from *Spinning Spinners Box* (also known as *The Fable of Arachne*), 1657, Exp 1 V = 4.9, A = 4.8; Exp 2 V = 4.6, A = 5.9.
- 49. Francisco de Goya, *The Fates* or *Atropos*, ca. 1819, Exp 1 V = 3.3, A = 6.2; Exp 2 V = 5.3, A = 6.3.
- 50. Piet Mondrian, Landscape n ° 9, 1939 1942, Exp 1 V = 4.8, A = 4.2.
- 51. Francisco de Goya, *Judith and Holofernes*, ca. 1819, Exp 1 V = 3.4, A = 5.5; Exp 2 V = 4.7, A = 5.4.
- 52. Vincent Van Gogh, Landscape at Dusk, 1890, Exp 1 V = 5.5, A = 4.7.

Fact Sheets of the 52 musical stimuli

Notes: 1) Given the brevity of the stimuli, they will always be fragments of works, parts or movements referred to in the title, so it is always ignored this condition of "fragment."; 2) The term reflected concerns of Experiment 1, given that in Experiment 2, the 32 selected stimuli considered as "short" were bounded at 6,' and those considered as "long", at 14"; 3) All our musical stimuli have all been passed to mp3 format and matched in volume through a process of RMS (root mean square); 4) Since from the 52 pictorial stimuli presented in Experiment 1, only 32 were used in Experiment 2, obviously, only 32 stimuli will have the value of video in Experiment 2. (V = valence, A = arousal)

- 1. (No. 1 Track on CD), Length 6.0", Author Alan Menken, Title Zero to hero (Gospel of the beginning of the film of Hercules), Instrumentation voice, piano and symphony orchestra, Year 1997, Source Hercules animated movie, Walt Disney, Exp 1 V = 3.4, A = 5.5; Exp 2 V = 4.7, A = 5.4.
- 2. 7", Bernard Hermann, *The Murderer*, violins divisi, 1960, *Psycho*, (Alfred Hitchcock film, of the very famous scene of the murderer with the knife in the shower), Exp 1 V = 3.0, A = 7.0; Exp 2 V = 4.7, A = 7.2.
- 3. 12", Mildred and Patty Hill, *Happy birthday to you* (normal speed, minor mode), string quartet, 1893, Song *Good morning to all*. Exp 1 V = 5.0, A = 4; Exp 2 V = 4.4, A = 4.4.
- 4. 26", Roger Miller, *Whistle-Stop (Variation 5)*, group of wind instruments (mainly piccolo, flute, bassoon and tuba), 1973, *Robin Hood* cartoon from Walt Disney, Exp 1 V = 6.8, A = 6.3; Exp 2 V = 6.4, A = 5.8.

- 5. 10", José Luis Greco, Forbidden Tonic, sheet casings, 2001, Forbidden Tonic (symphonic poem for piano and orchestra), Exp 1 V = 2.4, A = 5.0; Exp 2 V = 3.6, A = 4.6.
- 6. 14", Anonymous, *Tibetan Music* (two strokes of gong), gong, undetermined year, undetermined origin, Exp 1 V = 3.4, A = 2.5; Exp 2 V = 4.2, A = 2.9.
- 7. 10", Anonymous (arr. Bartolome Pérez Casas), *Spanish Anthem*, Symphonic Band, S. XVIII (arr.1908), March of grenadiers of the reign of Charles III of Spain, Exp 1 V = 5.5, A = 6.0.
- 8. 38', Ludwig Van Beethoven, *Cavatina* from *String Quartet op. 130* (first bars), string quartet, 1825–6, *String Quartet op. 130 in B flat Major*, Exp 1 *V* = 5.5, *A* = 2.6.
- 9. 4", *PopularBavarian Melody*, (*In München Steht Ein Hofbräuhau*), string quartet, unspecified year (text Wiga Gabriel, 1939), In München steht ein Hofbräuhaus, traditional waltz of the Munich Oktoberfest, Exp 1 V = 5.7, A = 4.6; Exp 2 V = 6.1, A = 4.4.
- 10. 15", Phil Collins, *Two Worlds* (referred to in our working group Tarzan B, is a piece that continues to stimulus No. 29, Tarzan, A, both included in the stimulus no 50 (Tarzan ABC)), percussion group (preferably patch tools), high trilling violins and low metals group, 1999, *Tarzan*, from Walt Disney, Exp 1 V = 5.4, A = 7.5.
- 11. 5", Anonymous, Bugle (Diana), a bugle, S.XIX-XX, Bugle from Spanish Army, Exp 1 V = 5.3, A = 6.2.
- 12. 4", Alan Menken / Howard Ashman, *Prince Ali's March (accelerando)*, large orchestra and choir, 1992, *Aladdin*, Walt Disney, Exp 1 V = 7.1, A = 7.5; Exp 2 V = 5.7, A = 6.8.
- 13. 9", Frederick Chopin, Funeral March (with kazoo), a kazoo, 1826, Funeral March for piano op. 72 n° 2, Exp 1 V = 2.9, A = 3.2.
- 14. 5", Ernest Mussorgsky / Ravel, *Baba Yaga* (from *Pictures at an Exhibition*), symphony orchestra in (*spicatto* interpreted powerful motive in the bottom of the bow of the first violins, which are incorporated into other strings and trombones progressively), 1874 (Mussorgsky's original piano), 1922 Symphony Orchestra of Ravel), *Suite Pictures at an Exhibition*, Exp 1 V = 4.6, A = 7.1; Exp 2 V = 4.4, A = 6.8.
- 15. 8", Bernard Hermann, *The Murderer* (second them, that continues stimulus No. 2), string orchestra (violins with bass support in each time), 1960, *Psycho*, Alfred Hitchcock film (of the very famous scene of the murderer with the knife in the shower), Exp 1 V = 4.6, A = 7.8; Exp 2 V = 3.8, A = 7.0.
- 16. 13", Anonymous, *Polynesian Music from Bora-Bora*, Polynesian traditional percussion group, undetermined year, folklore of the islands of Polynesia, Exp 1 V = 5.3, A = 6.2.
- 17. 18", Ludwig Van Beethoven *Great Fugue op.133 in B flat Major for string quartet (first bars)*, string quartet, 1825-6, Exp 1 V = 4.8, A = 5.9.

- 18. 16", Peter Heidrich, *Happy Birthday (in Wagner's style)*, string quartet, 1994, Happy Birthday Variations (CD released by the label RTVE The Humor in Chamber Music, played by Almus Quartet, in which the author of this work is its founder viola), Exp 1 V = 5.1, A = 2.7.
- 19. 7", Mildred and Patty Hill, *Happy birthday to you* (very fast speed, mayor mode), string quartet, 1893, Song *Good morning to all*. Exp 1 V = 6.5, A = 6.1; Exp 2 V = 6.1, A = 5.4.
- 20. 7", Anton Webern, String Quartet Op.28 (small fragment), string quartet, 1937–8, String Quartet Op.28, Exp 1 V = 4.2, A = 5.5; Exp 2 V = 4.3, A = 5.4.
- 21. 15", Peter Ilich Tchaikovsky, Symphony No. 6 Pathetique (fourth movement, Adagio lamentoso), symphony orchestra, 1893, Symphony No. 6 Pathetique, Exp 1 V = 5.3, A = 3.4.22. 33", Ludwig Van Beethoven, String Quartet op.131. mov No 5 Presto (beginning), string quartet, 1826, String Quartet in C sharp minor op.131, Presto, Exp 1 V = 6.9, A = 6.0; Exp 2 V = 5.7, A = 5.6.
- 22. 12", John Williams, Jaws (scene fin appearance immediately before the shark attack), symphony orchestra (entry of the bass strings with later metals and percussion support in syncopated time), 1975, movie titled Jaws, directed by Steven Spielberg, Exp 1 V = 4.2, A = 6.4; Exp 2 V = 4.2, A = 5.9.
- 23. 19", Jose Luis Greco, *Moro Katua*, symphony orchestra (strings in almost unison glissandi and intervention of descending cadential bass clarinet solo), 1999, selection of Basque carols for children's choir and symphony orchestra, Exp 1 V = 4.7, A = 4.3; Exp 2 V = 4.9, A = 4.1.
- 24. 16", Ludwig Van Beethoven, *European anthem (theme* from *Ode to Joy*), symphony orchestra, 1822–4 YEAR, *Last movement, Alla Marcia. Allegro assai vivace, from Symphony No. 9 in D minor op.125)*, Exp 1 *V* = 7.2, *A* = 5.5; Exp 2 *V* = 5.3, *A* = 5.6
- 25. 10", Alan Menken / Howard Ashman, *Prine Ali's March (until accelerando)*, symphonic orchestra and choir, 1992, Exp 1 V = 6.9, A = 7.2; Exp 2 V = 6.3, A = 6.5.
- 26. 19", Roger Miller, Whistle-Stop (opening theme whistled by the rooster minstrel), singer with guitar accompaniment and three final hits on the same guitar, 1973, Robin Hood cartoon from Walt Disney, Exp 1 V = 6.4, A = 4.3; Exp 2 V = 5.8, A = 4.6.
- 27. 15", Phil Collins, *Two Worlds* (in our experiment referred as Tarzan, A, is a fragment of the preceding stimulus No. 10, Tarzan B, both included in the stimulus No. 50 (Tarzan ABC)), percussion group (preferably patch tools), 1999, Tarzan, Walt Disney stimulus, Exp 1 V = 6.4, A = 6.8.
- 28. 22", Franz Schubert, String Quartet No. 14 in D Minor, 'Death and the Maiden "D 810, Andante con moto (beginning), string quartet, 1824, String Quartet No. 14 in D minor, "Death and the Maiden" D 810, Andante con moto, Exp 1 V = 4.6, A = 2.7; Exp 2 V = 3.9, A = 3.5.

- 29. 4", Georg Philip Telemann, Sancho Panza blanketed (from Suite Burlesque of Don Quixote), string orchestra, 1716, Sancho Panza Berné (from Suite Burlesque of Don Quixote, Exp 1 V = 6.4, A = 6.0; Exp 2 V = 5.7, A = 5.5.
- 30. 15", Anonymous, Funeral March (black spiritual), trumpet (Louis Armstrong), trombone (in the background, accompanied by a lower third) and battery brushes, S.XVIII-XIX, Funeral March black spiritual), Exp 1 V = 3.5, A = 3.2; Exp 2 V = 3.4, A = 4.7.
- 31. 12", Anonymous Author, *Bugle (aircraft attack)*, a bugle, S.XIX-XX, cornet bugle of Spanish Army, Exp 1 V = 3.9, A = 6.3; Exp 2 V = 4.4, A = 4.2.
- 32. 5", Mildred and Patty Hill, *Happy birthday to you* (very fast speed, minor mode, string quartet, 1893, Song *Good morning to all*. Exp 1 V = 5.8, A = 6.0.
- 33. 3", Peter Heidrich, *Happy Birthday (in Vienna's style)*, string quartet, 1994, Happy Birthday Variations (CD released by the label RTVE The Humor in Chamber Music, played by Almus Quartet, in which the author of this work is its founder viola), Exp 1 V = 6.7, A = 4.9; Exp 2 V = 6.5, A = 5.0.
- 34. 17", Matthew Wilder / David Zippel, *I'll make a man of you* (excerpt of the stimulus preceding the No 52), symphony orchestra (percussion, at first, then metal and strings), 1998, *Mulan* (animated film by Walt Disney), Exp 1 V = 5.3, A = 6.2.
- 35. 15", Roger Miller, *Whistle-Stop (Variation 4)*, group of wind instruments (mainly piccolo, flute, bassoon and tuba), 1973, *Robin Hood* cartoon from Walt Disney, Exp 1 V = 6.6, A = 6.0; Exp 2 V = 5.8, A = 5.7.
- 36. 3", Alan Menken, My last hope (Phil the satyr's scene), voice and orchestra (particularly pizzicati final assault on bass and muted trumpet), 1997, Hercules (animated movie by Walt Disney), Exp 1 V = 3.9, A = 4.6.
- 37. 5', Ernest Mussorgsky / Ravel, *Baba Yaga* (from *Pictures at an Exhibition*), symphony orchestra in (*spicatto* interpreted powerful motive in the bottom of the bow of the first violins, which are incorporated into other strings and trombones progressively), 1874 (Mussorgsky's original piano), 1922 Symphony Orchestra of Ravel), *Suite Pictures at an Exhibition*, Exp 1 V = 4.6, A = 7.1.
- 38. 14", Anonymous, Bugle (prayer), a bugle, S.XIX-XX, Bugle of the Spanish Army, Exp 1 V = 4.1, A = 4.7.
- 39. 25", Anonymous, *Japanese Music with Bamboo Flute*, a popular Japanese bamboo flute, undetermined, undetermined, Exp 1 V = 5.3, A = 3.9.
- 40. 8", Frederick Chopin, Funeral March (symphonic version original), symphony orchestra (the timber carrying the theme with accompanying serious, minor third with one voice, harp and bass strings, 1826, Funeral March for piano op. 72 n^o 2. Exp 1 V = 3.9, A = 4.2, Exp 2 V = 4.2, A = 4.0.

- 41. 26", Jose Luis Greco, *Moro Katua A* + B, symphony orchestra (strings, almost in unison *glissandi* and descending cadential bass clarinet solo, and after the *fermata*, main them played by oboe solo with string accompaniment in *pizzicati*), 1999, *Selection of Basque carols for children's choir and symphony orchestra*, Exp 1 V = 5.4, A = 4.3
- 42. 8", Jose Luis Greco, *I 'm Superman*, group metals (with damper) and percussion, 1994, I'm Superman (Orchestral Fantasy for children), Exp 1 V = 3.7, A = 4.4; Exp 2 V = 4.0, A = 4.7.
- 43. 16", Ludwig Van Beethoven, String Quartet op.131 (last movement Allegro (beginning), string quartet, 1826, String Quartet in C sharp minor op.131 Presto, Exp 1 V = 6.0, A = 6.6.
- 44. 4" *Popular Bavarian Melody, (In München Steht Ein Hofbräuhau)*, string quartet, unspecified year (text Wiga Gabriel, 1939), In München steht ein Hofbräuhaus, traditional waltz of the Munich Oktoberfest, Exp 1 V = 6.7, A = 4.7; Exp 2 V = 5.5, A = 4.7.
- 45. 22", Jose Luis Greco, Fugitives, piano solo, 2000, Fugitive Pieces (for piano solo) Exp 1 V = 4.5, A = 5.3; Exp 2 V = 4.4, A = 5.3.
- 46. 10", Bernard Hermann, *The Murderer* (with the intervention of the bass in the final fragment), symphony orchestra (the subject of bass and accompaniment from the rest of the string), 1960, *Psycho* (Alfred Hitchcock film (the end of the very famous scene of the murderer with the knife in the shower)), Exp 1 V = 3.8, A = 7.2; Exp 2 V = 3.6, A = 6.6
- 47. 32", Mildred and Patty Hill, *Happy birthday to you* (original tempo and mode: major and slow tempo), string quartet, 1893, Song *Good morning to all*. Exp 1 V = 6.3, A = 3.7; Exp 2 V = 5.1, A = 4.0.
- 48. 15", Alan Menken / Howard Ashman, *Prince Ali's March (complete: before and after the accelerando)*, symphony orchestra and choir, 1992, *Aladdin*, animated movie by Walt Disney), Exp 1 *V* = 7.0, *A* = 7.6; Exp 2 *V* = 6.1, *A* = 6.8.
- 49. 32", Phil Collins, Two Worlds (referred to in our working group as Tarzan ABC, is a long fragment that includes the stimuli No.10 and 29), percussion group (preferably patch tools), 1999, Tarzan, Walt Disney, Exp 1 V = 6.0, A = 7.3.
- 50. 21", Roger Miller, Whistle-Stop (transition between variation 4 and variation 5), group of wind instruments (mainly piccolo, flute. Bassoon and tuba), 1973, Robin Hood (cartoon from Walt Disney), Exp 1 V = 6.6, A = 6.1; Exp 2 V = 6.0, A = 5.3.
- 51. 25", Matthew Wilder / David Zippel, *I'll make a man of you (complete final piece of the stimulus that includes No 35, known by the working group as Mulan AB)*, symphony orchestra (percussion, at first, then metal and strings), 1998, *Mulan* (animated film by Walt Disney), Exp 1 V = 5.7, A = 6.2.

Videos

Note: The 32 videos and the 52+52 pictorial stimuli and musical fragments are available on request to the authors.