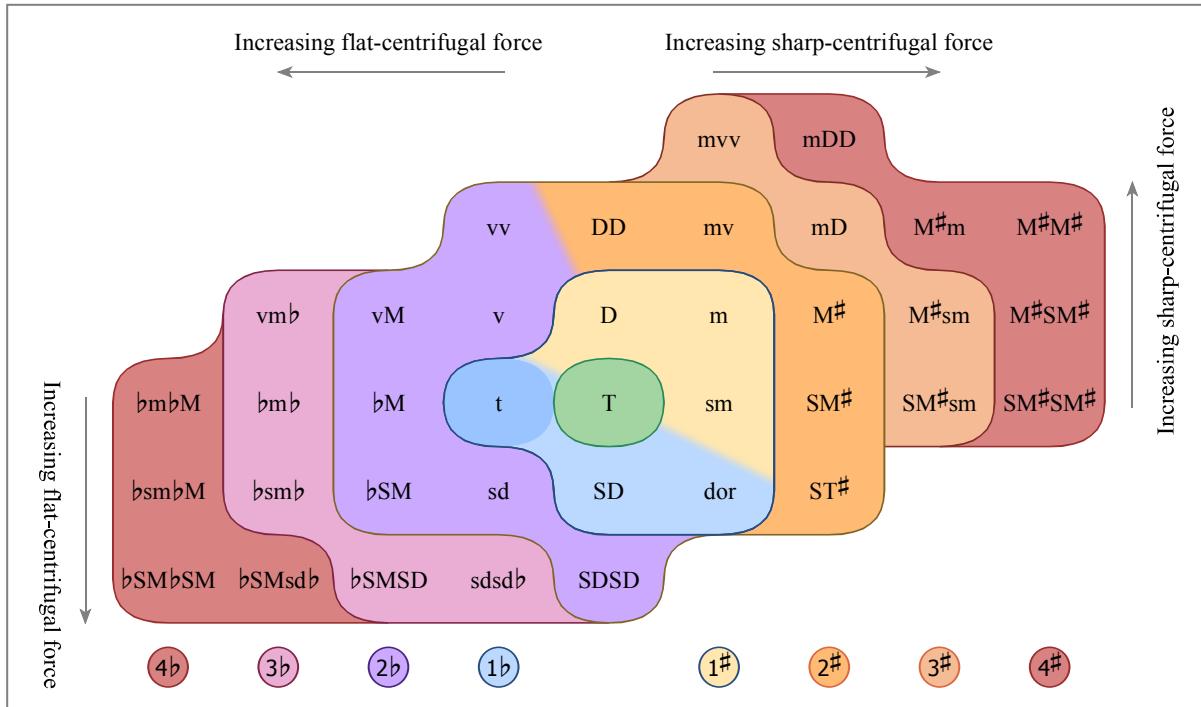
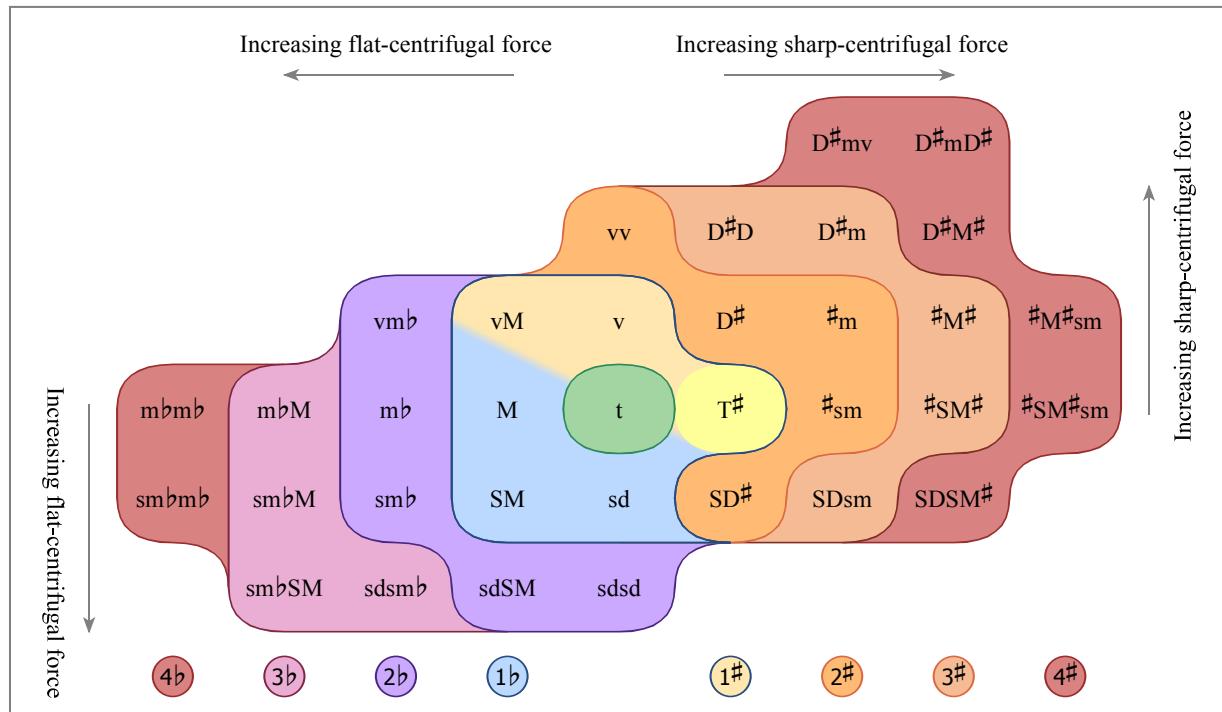


**SCSMT Conference (handout)**  
**"Goethe's generation of color as a metaphor for harmonic shading and  
 trajectories"**  
**Stephen Whale, CUNY Graduate Center**

### 1) Tonal spectrum based on major tonic



### 2) Tonal spectrum based on a minor tonic



Notes on the generation of the tonal spectra:

Vertical axis: fifth relations up and down. Horizontal axis: alternating parallel and relative relations

The classes 1 $\flat$ , 1 $\sharp$ , etc. refer to numbers of foundational relations from the tonic, corresponding to degrees of remoteness. Foundational relations are: upper/lower fifths, parallel major-minor, and close (diatonic) third major-minor relations.

**Mozart, K.310/i**

**1) Exposition, Transition (mm. 9-22)**

**a) Score with annotations**

5

iv7      VII7      III7      VI7      ii      V      i

Descending fifths through all degrees to half cadence

10

T: LTo7      i      III  $\flat$  7      V7      I      III  $\sharp$       V7

SM:      sd:      M: #4 from M:D

14

calando      legato

I      II $\sharp$       V7      I      ii      II $\sharp$       V

sd:      M:      Indication of m  $\flat$  and suggestions of M:D throughout standing dominant phase

18

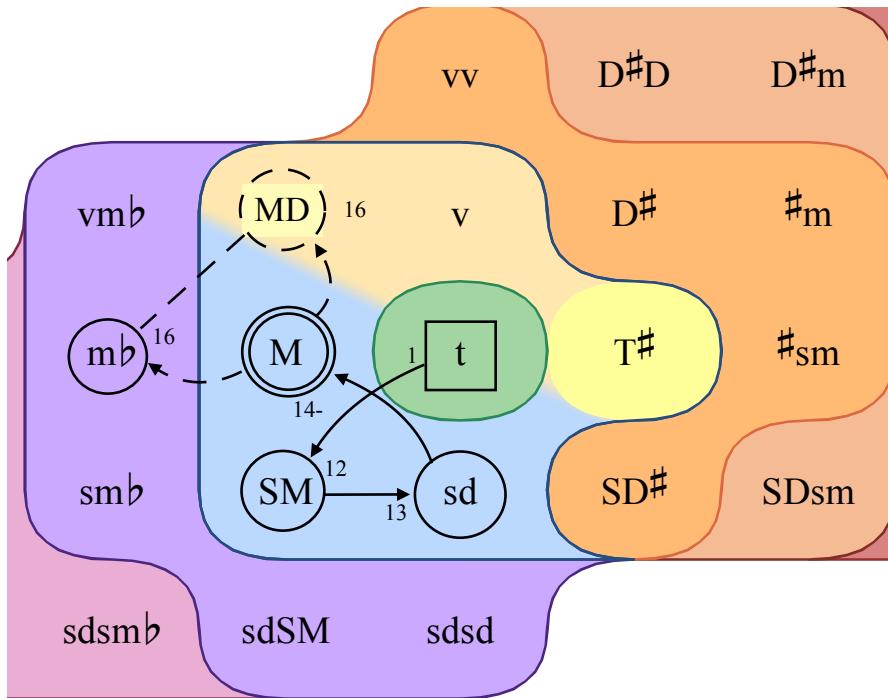
V

21

M: V

### b) Progression of regions on tonal spectrum

$t = A$  minor



Notes on hierarchy of regions: Boxes and circles denote hierarchy of regions. Fully confirmed regions are double boxed, established regions or the principal key are boxed, partly established regions (for example by half-cadential progressions) are double circled, briefly indicated regions are circled (regions exercising some independence or departure from prevailing key), regions suggested by chromatic enrichment are denoted by dotted circles (basic tonicization).

2 $\flat$

1 $\flat$

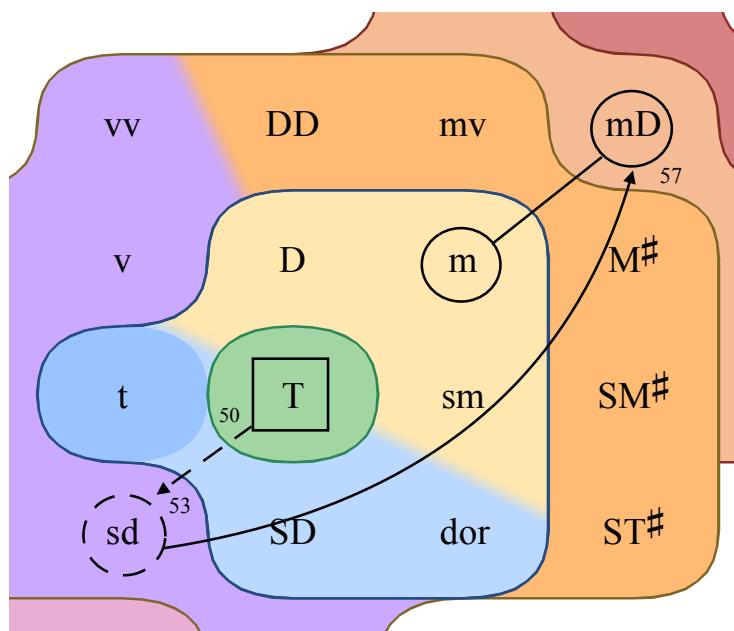
1 $\sharp$

2 $\sharp$

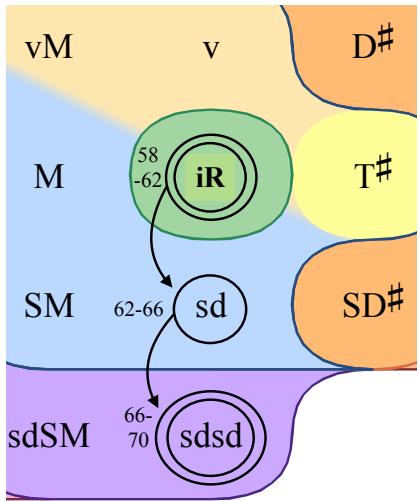
### 2) Development section, mm. 50-79: a) presentation of regions on tonal spectra

(i) Pre-core/preliminary phase with enharmonic switch (mm. 50-58); (ii) Main centrifugal phase: modulatory sequence (mm. 58-70); (iii) Centripetal phase (70-79).  
[(ii) and (iii) form the core.]

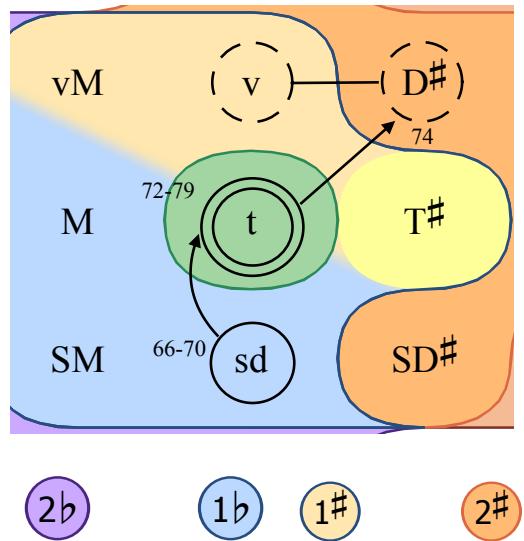
i) Pre-core/preliminary phase with enharmonic switch, mm. 50-58.  $T = C$  major = global **M**



(ii) Main centrifugal phase: modulatory sequence, mm. 58-70



(iii) Centripetal phase, mm. 70-79. Return to principal spectrum, **t** = A minor.



b) Development (mm. 50-79): score with annotations showing regions



**T:**

Tonic prolongation \_\_\_\_\_

T = C major = global M

(sd b :)

V  $\frac{9}{7}$



**sd b :**

V7 \_\_\_\_\_

Enharmonic switch

Leading to FOP \_\_\_\_\_

**m:**

Aug  $\frac{\#6}{5}$

**58 FOP (far-out point)**



**m = iR:** V

full cycle of harmonies over dominant pedal \_\_\_\_\_

**m = iR**

**iR** = initiating region of modulatory sequence

61 *legato*

iR: V                              7                              I

iR: sd:                              V \_\_\_\_\_

64

iR: sd:                              V \_\_\_\_\_                      I

iR: sdsd:                              V

67

iR: sdsd:                              V \_\_\_\_\_

iR: sdsd = global sd

**Modulatory goal**

70

sd: i                                      Dissonant and chromatic intensification

t: iv                                      VII7                              III7                              VI7                              ii7                              V7                                      i \_\_\_\_\_ →

Descending fifths through all degrees of principal key \_\_\_\_\_

74 *legato*

t: V                                      Augmented sixth (m. 73) and leading-tone sevenths suggest D-region \_\_\_\_\_  
partly-CP-culmination

### 3) Recapitulation score excerpts

**a) flat-side chromaticism from  $\flat$ II harmony (mm. 107-112)**

107

7      6      ii7      V7      i

b) Sharp-side chromaticism intensifying the ESC (mm. 123-129, ESC @ m. 129)

**Additional information:**

Animation of K. 310 available at:  
<http://www.grwpub.info/SJW/analysis/MozartK310-1.html>