

14-03-25

→ HW: Hasrat Ali Song - add bests
for each swara; change formatting.

Ej: pa - pa ja pa ja Ni ja Pe
ma - ga sa ga ma pa -

हाँ सत आ ली निर माल आ जी
haः saऽ a: li: nir mal a: ji:
उ उ उ उ उ उ उ उ

[px] - [p] | d[e] px | px | d[e] | px | mc | - | g[e] sa | gx | mc | px | - |

[ha:] [saθ] [a:] [] [i:] [niγ] [meɪ] [a:] [] [ji:]

Meawha

→ Practiced Janta & Dhathu swaras

HB: Practice each one atleast
— 10 times, with & without piano
with vocal pitch monitor

→ Graha Bhedham:

Grahem = planets → going around in cycles

Bhedham = difference

In grahabhedham, the cycle is shifting.

Eg 1

→ Mayamalave raagam

(15th melakarta)

cycle → | h w h h w h wh h | h w h h w h wh h

Sa

pa

Sa2

Sa3

Sa → Sa2

6L

Sa → pa

3.5 L

After Sa2 also, the same cycle continues.

Now, if we keep the cycle same but
shift the starting place (for Sa1)

Same cycle h | wh h w h wh h | wh h wh wh h h

(only Sa Ri3 ga3 Ma2 pa da3 ni3 Sa2 Sa3

starting point changed)

3.5 L

2.5 L

This is
melakarta
 $= 3 + 5 \times 6 + 6 = 72$
(Rasikapriya)

Eg: 2

h b h w h wh | h h b h h | h h b h w h wh | h

Sa Rii Gal Ma| Ma2 Da| Ni|

S_{k+2} → cycle is same
→ start shifted
to the left

This is not me) kertha
Reagan

as $Sa \rightarrow Pa$ β not coming
to 3-5 steps.

We only get 34 steps.

This is because when we shift start to left, we are subtracting from the sum of the numbers. We are adding only 'h'.

Eg: 3

... h L h L h h | h Lh h L L h Lh h | h Lh h L L h bh h
Sa Pa Sa2

... Lh h h Lh | h L h Lh L Lbh / h - - .
Sa Pa Sa2

→ Shift right

twice (Between Sa & Pa, we subtracted $h+Lh$ on left, but also added $h+Lh$ on right,

$$\text{So } Pa - Sa = 3.5 L$$

So, this may be a melakartha range.

Sa r1 g2 g3 pa d1 n1 Sa2

Not a melakartha as we don't get m1/m2

Eg:4

... h b h h | h w h b h l | h b h h ...
 (Mayemelava)

If we shift left twice,
 between Sa & Pa, we are adding
 bhth, but subtracting h+1
 so it won't be 3.5W
 So, not meka artha raagam.

Eg:5

If we shift right 3 times from
 mayemelave

... h b h h | h w h b h l h y ...
 Sa Pa Sa2

Between Sa & Pa, we subtracted h+bhth,
 but added h+uh+1, so if
 Pa-Sa remains = 3.5W

Sa RI2 Ga2 Ma2 Pa Da1 ni3 Sa2

This is melakartha

$$= 36 + (4-1) \times 6 + 3$$

$$= 36 + 18 + 3$$

$$= 57.$$

So, we found that Mayamalava (15th melakartha) is similar to

72nd and 57th melakartha ragas under grahabhedham.

(Fig: 145 above)

HW: Find Grahabhedhams for 10th melakartha ragaem.