

transposition and inversion: if two pitch-class sets belong to the same set class, they are related by transposition or inversion

transposition:

if the two pc sets that belong to the same set class are both "left-to-righties" or "right-to-lefties" then they are related by transposition

pc set A

pc set B

[6 7 e] [8 9 1]
(0 1 5) (0 1 5)

if you have three notes that are transposed, imagine that you have a series of six notes-- three to start and three that result from transposition.

1 maps onto 4; 2 maps onto 5; 3 maps onto 6.

so 6 maps onto 8; 7 maps onto 9; and e maps onto 1; instead of "maps onto" imagine math.

$6 + 2 = 8$; $7 + 2 = 9$; $e + 2 = 13$ or 1. therefore $T_2 A = B$