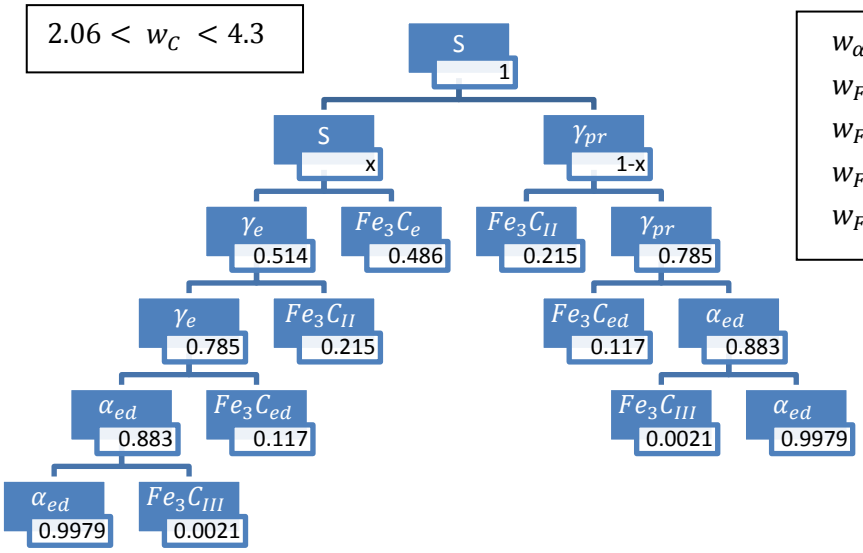
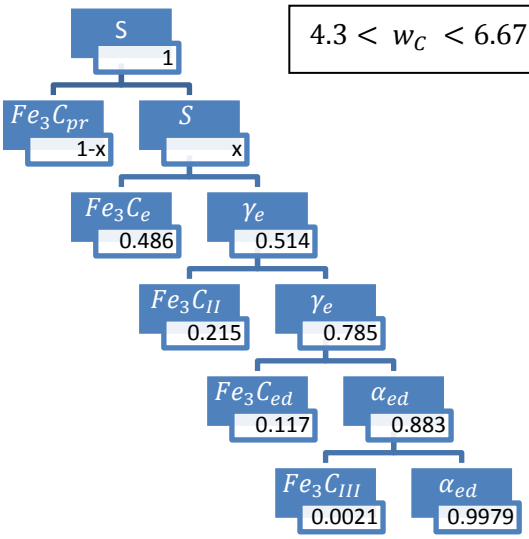
$2.06 < w_C < 4.3$



$$w_{\alpha_{ed}} = 0.6917 - 0.3362x$$
$$w_{Fe_3C_e} = 0.486 * x$$
$$w_{Fe_3C_{II}} = 0.215 - 0.1045x$$
$$w_{Fe_3C_{ed}} = 0.0918 - 0.0446x$$
$$w_{Fe_3C_{III}} = 0.001456 - 0.000703x$$

$$x = \frac{w_C - 2.06}{2.24}$$

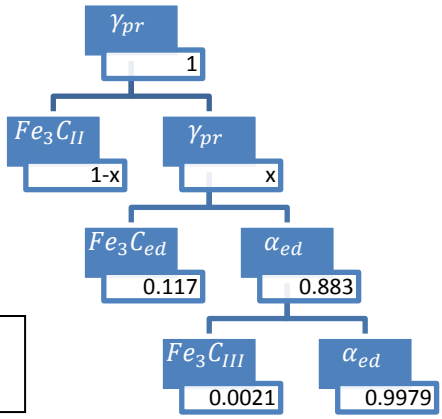


$4.3 < w_C < 6.67$

$$x = \frac{6.67 - w_C}{2.37}$$

$$w_{\alpha_{ed}} = 0.3555x$$
$$w_{Fe_3C_{pr}} = 1 - x$$
$$w_{Fe_3C_e} = 0.486 * x$$
$$w_{Fe_3C_{II}} = 0.111x$$
$$w_{Fe_3C_{ed}} = 0.0472x$$
$$w_{Fe_3C_{III}} = 0.000748x$$

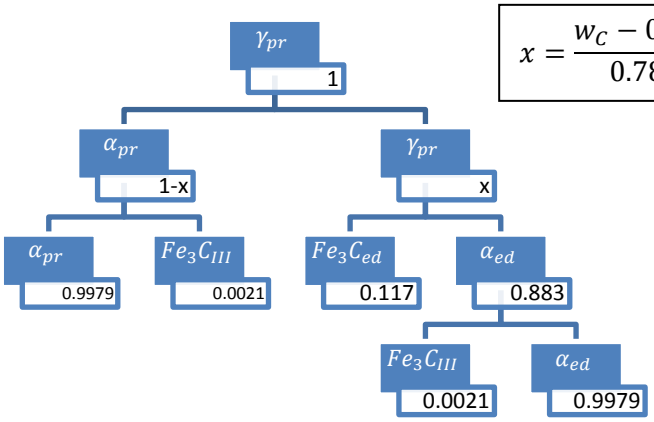
$0.8 < w_C < 2.06$



$$x = \frac{6.67 - w_C}{5.87}$$

$$w_{\alpha_{ed}} = 0.881x$$
$$w_{Fe_3C_{II}} = 1 - x$$
$$w_{Fe_3C_{ed}} = 0.117x$$
$$w_{Fe_3C_{III}} = 0.0019x$$

$0.02 < w_C < 0.8$



$$x = \frac{w_C - 0.02}{0.78}$$

$$w_{\alpha_{ed}} = 0.9979 - 0.117x$$
$$w_{Fe_3C_{ed}} = 0.117x$$
$$w_{Fe_3C_{III}} = 0.0021 - 0.000246x$$

17.11.2012