

Definition: Chord with respect to a Different Root

Let $\hat{r} \mid x_1, x_2, \dots, x_{n-1}, x_n$ be a chord, and \hat{R} be a different root. Then $\hat{r} \mid x_1, x_2, \dots, x_{n-1}, x_n$ with respect to \hat{R} is a new chord

$$\hat{R} \mid y_1, y_2, \dots, y_{n-1}, y_n$$

Where y_i represents the interval of \hat{R} to $\widehat{r + x_i}$