

# Additional Facts

## Formulas

$$A\zeta = (Performance A\mu - A\mu) / (\max(l) - \min(l))$$

$$B\zeta = (Performance B\mu - B\mu) / (\max(l) - \min(l))$$

$$\beta = mad(l)$$

**Example:**  $l = [1, 300, 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, 2999]$   
only if ratings had a stop for a designated leaderboard fixed.

$$\mu' = \min(\max(l), \max(\min(l), \mu + f(s - p) + f\zeta))$$

$$\sigma' = \min(\max(l), \max(\min(l), \varphi\sigma + \sigma|\zeta|))$$

## References

'Performance'  $\mu$ : Performance, Play Rating, gets provided only during a game.  
 $l$ : List of major ratings.