**Purpose:** A function used to plot the Meat weight-shell height relationship, takes the output from **shwt-lme.r**. This plots takes the annual result and plots for each random effect in an array within a plot window.

**Version Control:** Multiple versions exist, usually duplicates of each other but no guarantees.

**Required packages**:

**Function Arguments Summary**

1. **htwt.fit**: The model fit
2. **graphic**: The plotting device to use. Default ='R', 'pdf' is also acceptable
3. **nr**: The number of rows to plot. Default = 6
4. **ht**: Height of the plot device. Default = 7
5. **wd**: Width of the plot device. Default = 11
6. **fixed.b**: Is the model using a fixed value for 'b', i.e. the allometric assumption. (T/F) Default = T
7. **labcx** Label size multiplier. Default = 1
8. **pt.col**: The color of the data points. Default = rgb(0,0,0,0.05)

**Section 1**

Nice straightforward function used to plot the Meat Weight Shell Height relationship random effect by random effect. Can be output to a pdf or R device and you need to know if the allometric model or a full model was used to fit the data (if b is set to 3 you have used the allometric model, fixed.b = T)