



$$W(r) \approx \frac{1}{1 + \exp(s_1(r - s_2))} \left(\frac{r_0}{r} \right)^\beta + \sum_{i=1}^N a_i \exp\left(\frac{-(r - r_i)^2}{w_i}\right) - a_y \frac{\exp(-r_y r)}{r}$$

$N = 4$
 $s_1 = 20.817440$
 $s_2 = 2.218543$
 $r_0 = 2.599721$
 $\beta = 15.514784$
 $a_1 = -2.043783$
 $r_1 = 2.601350$
 $w_1 = 0.095906$
 $a_2 = 5.486850$
 $r_2 = 3.262882$
 $w_2 = 0.749028$
 $a_3 = 0.588646$
 $r_3 = 6.030407$
 $w_3 = 0.418991$
 $a_4 = 0.103249$
 $r_4 = 8.456059$
 $w_4 = 0.786805$
 $a_y = 8.486511$
 $r_y = 0.011374$