On the Construction of Fourier-Bessel Transforms of Scattering Amplitudes.

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Equation (26) should read

$$\frac{1}{2} \int_{-1}^{+1} \left[\frac{1+x}{2} \right]^{\frac{1}{2}} J_0 \{ [2(1-x)]^{\frac{1}{2}} \beta \} d_{\frac{1}{2}\frac{1}{2}}^j(x) dx = \sqrt{2} \frac{(j+\frac{1}{2})!}{(j-\frac{1}{2})!} \beta^{-2} J_{2j+1}(2\beta) .$$

With this the correct form of eq. (32) would be

$$\cos \theta/2 d_{\frac{1}{2}\frac{1}{2}}^j(\cos \theta) = \sqrt{2} \frac{(j+\frac{1}{2})!}{(j-\frac{1}{2})!} \int_0^{\infty} \frac{db}{b} J_0(b\sqrt{-t}) J_{2j+1}(2pb) .$$

Equation (33) would have $\cos \theta/2$ in the denominator instead of $\cos^2 \theta/2$ and the right-hand side of eq. (34) would have to be multiplied by $\sqrt{2}$.

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