The functions:†

$$c_{12} = c_2^{-1} c_1^{1/2} \frac{2\alpha - 2}{2\alpha - 1} \cdot \frac{\nu_1^{(1-2\alpha)/2} - \nu_2^{(1-2\alpha)/2}}{\nu_1^{1-\alpha} - \nu_2^{1-\alpha}}$$

$$c_{13} = 0.921 \cdot c_{12}^{4/7}$$

for $\nu_1 = 10^7$ Hz and $\nu_2 = 10^{10}$ and $10^{11}$ Hz.

N.B. In these equations, $S_\nu \propto \nu^{-\alpha}$

| $\alpha$ | $\nu_2 = 10^{10}$ Hz | | $\nu_2 = 10^{11}$ Hz | |
|---|---|---|---|---|
| | $c_{12}$ | $c_{13}$ | $c_{12}$ | $c_{13}$ |
| 0.2 | 2.5 E 07 | 1.6 E 04 | 8.3 E 06 | 8.3 E 03 |
| 0.3 | 2.8 E 07 | 1.7 E 04 | 9.8 E 06 | 9.1 E 03 |
| 0.4 | 3.2 E 07 | 1.8 E 04 | 1.2 E 07 | 1.0 E 04 |
| 0.5 | 3.7 E 07 | 2.0 E 04 | 1.6 E 07 | 1.2 E 04 |
| 0.6 | 4.5 E 07 | 2.2 E 04 | 2.0 E 07 | 1.4 E 04 |
| 0.7 | 5.4 E 07 | 2.5 E 04 | 2.8 E 07 | 1.7 E 04 |
| 0.8 | 6.5 E 07 | 2.7 E 04 | 3.9 E 07 | 2.0 E 04 |
| 0.9 | 7.8 E 07 | 3.0 E 04 | 5.4 E 07 | 2.4 E 04 |
| 1.0 | 9.3 E 07 | 3.3 E 04 | 7.1 E 07 | 2.8 E 04 |
| 1.1 | 1.1 E 08 | 3.6 E 04 | 9.3 E 07 | 3.3 E 04 |
| 1.2 | 1.3 E 08 | 4.0 E 04 | 1.1 E 08 | 3.7 E 04 |

† For $\alpha = 1/2$ and 1 the functions $c_{12}$ and $c_{13}$ have values following from the appropriate formulae resulting from the integration of equations (7.4) and (7.5).

*Table 8 from Pacholczyk's* Radio Astrophysics. *Here* $\nu_1 = \nu_{\min}$ *and* $\nu_2 = \nu_{\max}$.