- Equation (2) should be without $\left(\frac{2}{\pi}\right)^{(d-1)/2}$ and read as follows:

$$\mathcal{H}_l^+(z) \sim c_h z^{-(d-1)/2} \exp\left\{i\left[z - (d-1)\pi/4 - l\pi/2\right]\right\}$$

- It may be added that the representatiuon (22) is also known as the Weyl representation.

- In equation (50), which should read

$$D_L^{(1)} = -\frac{1}{2v_0(2\pi)^c} \sum_{\mathbf{k}_s \in \Lambda^*} I_L^{(1)}(\mathbf{k}_s),$$

  the summation symbol $\sum_{\mathbf{k}_s \in \Lambda^*}$ has been omitted.

- Between equations (58) and (59), the numerical values of the prefactor $N_{l|m|}$ have not been explicitly defined. Instead of the wording "According to equation (52), one has" just above equation (59) the following passage should have been inserted:

  "Upon substituting

$$Y_{lm}^* = \left\{ \begin{array}{ll} N_{l|m|} P_l^{|m|}(\cos\theta)e^{-im\phi}, & m \geq 0 \\ (-1)^m N_{l|m|} P_l^{|m|}(\cos\theta)e^{-im\phi}, & m < 0 \end{array} \right\} = i^{m-|m|} N_{l|m|} P_l^{|m|}(\cos\theta)e^{-im\phi},$$

  into (53), where

$$N_{l|m|} = \sqrt{\frac{(2l+1)}{4\pi}\frac{(l-|m|)!}{(l+|m|)!}}$$

  and $P_l^{|m|}$ are associated Legendre polynomials as defined in Ref. [16], equation (52) reduces for $c = 1$ to"

- In the very first of equations (85) the summation symbol $\sum_{\mathbf{k}_s \in \Lambda^*}$ has been omitted.

- In equation (90), which should read

$$D_L^{(2)} = -\frac{(2\pi)^c}{8\pi^2} \sum_{\mathbf{r}_s \in \Lambda}{}' I_L^{(2)}(\mathbf{r}_s),$$

  the summation symbol $\sum_{\mathbf{r}_s \in \Lambda}{}'$ has been omitted.