$$\begin{aligned}\mathfrak{F}&=F_0+\Phi_*\\ &=1-4S_2^2+S_4-2S_2S_3+4S_5-6S_2^3+5S_3^2+16S_2S_4-15S_6\\ &\quad+8S_2^2S_3-4S_3S_4-12S_2S_5+8S_7.\end{aligned}\tag{7.12}$$

The final result (7.12) coincides, of course, with the previous one, namely, $\mathfrak{G}$ obtained in (6.21).

Correction

A correction should be made for the expression (2.6) (these Proc. 25 (1952), p. 541), since it contains a mistake in claculation. It should be read:

$$\begin{aligned}\Psi(ij)=\overline{A}_{ij}\{&\tfrac{1}{2}p_i\psi(-ii,\ +jj+ij+\sum_{h\neq i,\ j}(ih+jh))\\ &+\tfrac{1}{2}p_j\psi(-jj,\ +ii+ij+\sum_{h\neq i,\ j}(ih+jh))\\ &+\tfrac{1}{2}(p_i+p_j)\psi(-ij,\ +ii+jj+\sum_{h\neq i,\ j}(ih+jh))\\ &+\sum_{h\neq i,\ j}\tfrac{1}{2}p_h\psi(-ih,\ +ii+jj+ij+\sum_{k\neq i,\ j,\ h}ik+\sum_{k\neq i,\ j}jk)\\ &+\sum_{h\neq i,\ j}\tfrac{1}{2}p_h\psi(-jh,\ +ii+jj+ij+\sum_{k\neq i,\ j}ik+\sum_{k\neq i,\ j,\ h}jk)\}\\ =p_ip_j&((3-5S_2+2S_3)(p_i+p_j)-(4-3S_2)(p_i^2+p_j^2)\\ &-2(4-3S_2)p_ip_j+5(p_i^3+p_j^3)+8p_ip_j(p_i+p_j)\\ &-4(p_i^4+p_j^4)-6p_ip_j(p_i^2+p_j^2)-4p_i^2p_j^2)\qquad(i\neq j).\end{aligned}\tag{2.6}$$

Accordingly, the subsequent expressions should be corrected as follows:

$$\begin{aligned}F(ij)=p_ip_j&(2-(1+5S_2-2S_3)(p_i+p_j)-(2-3S_2)(p_i^2+p_j^2)\\ &-2(2-3S_2)p_ip_j+5(p_i^3+p_j^3)+8p_ip_j(p_i+p_j)\\ &-4(p_i^4+p_j^4)-6p_ip_j(p_i^2+p_j^2)-4p_i^2p_j^2)\qquad(i\neq j).\end{aligned}\tag{2.8}$$

$$\begin{aligned}\sum_{i,\ j}{}'\Psi(ij)&=3S_2-7S_3-9S_2^2+13S_4\\ &\quad+18S_2S_3-17S_5+3S_2^3-4S_3^2-12S_2S_4+12S_6.\end{aligned}\tag{2.12}$$

$$\begin{aligned}\sum_{i,\ j}{}'F(ij)&=1-2S_2-S_3-7S_2^2+9S_4\\ &\quad+18S_2S_3-17S_5+3S_2^3-4S_3^2-12S_2S_4+12S_6;\end{aligned}\tag{2.14}$$

$$\begin{aligned}\Psi\equiv\sum_{i\leqq j}\Psi(ij)&=3S_2-6S_3-9S_2^2+11S_4\\ &\quad+16S_2S_3-14S_5+3S_2^3-3S_3^2-10S_2S_4+9S_6.\end{aligned}\tag{2.16}$$

$$\begin{aligned}F&=F_0+\Psi\\ &=1-S_2-2S_3-7S_2^2+8S_4\\ &\quad+16S_2S_3-14S_5+3S_2^3-3S_3^2-10S_2S_4+9S_6.\end{aligned}\tag{2.17}$$

The inequalities (3.5) and (3.6) (p. 543) remain valid.

However, the expression (5.4) (p. 546) and hence the subsequent expression for its derivative should be corrected as follows:

$$(F)^{\text{stat}}=\left(1-\frac{1}{m}\right)\left(1-\frac{9}{m^2}+\frac{18}{m^3}-\frac{9}{m^4}\right)$$