Module MA232A—Errata, April and May 2018

Section 6, p. 65 In the proof of Proposition 6.1, near the bottom of page 65, replace

$$u^{2} + v^{2} + w^{2} = \frac{4x^{2} + 4y^{2} + (1 - x^{2} - y^{2})^{2}}{1 + x^{2} + y^{2}} = 1$$

by

$$u^{2} + v^{2} + w^{2} = \frac{4x^{2} + 4y^{2} + (1 - x^{2} - y^{2})^{2}}{(1 + x^{2} + y^{2})^{2}} = 1$$

Section 6, p. 68 In the statement of Proposition 6.2, top line on page 68, replace -1 < n < 1 by $-1 < n \le 0$.

Section 6, p. 68 In the proof of Proposition 6.2, 4th line, replace -1 < n < 1 by $-1 < n \le 0$.

Section 6, p. 68 In the proof of Proposition 6.2, 9th line, replace

$$\ell x + my = -n = -\sqrt{1 - \ell^2 - m^2}$$

by

$$\ell x + my = -n = \sqrt{1 - \ell^2 - m^2}.$$

- Section 6, p. 68 In the proof of Proposition 6.2, page 68, 4th line from bottom, replace -1 < n < 1 by $-1 < n \le 0$.
- Section 6, p. 69 In the proof of Proposition 6.2, page 69, 8th line down replace -1 < n < 1 by $-1 < n \le 0$.
- Section 7, p. 82 In the proof of Proposition 7.4, 5th line down on page 82, replace

$$w + 1 = \frac{2(x^2 + y^2)}{1 + x^2 + w^2}$$

by

$$w + 1 = \frac{2(x^2 + y^2)}{1 + x^2 + y^2}.$$

Section 7, p. 82 In the proof of Proposition 7.4, 2nd line up from end of proof, replace

$$|OA| = \sqrt{x^2 + y^2}$$
, and $|OB| = \frac{1}{x^2 + y^2}$,

by

$$|OA| = \sqrt{x^2 + y^2}$$
, and $|OB| = \frac{1}{\sqrt{x^2 + y^2}}$,

Section 7, p. 89 In the proof of Proposition 7.8, in the middle of page 89, replace

$$g + \operatorname{Re}[bz] + h|z|^{2} = g + \overline{b}\overline{z} + bz + h|z|^{2}$$
$$= \frac{1}{|w|^{2}} \left(g|w|^{2} + \overline{b}w + b\overline{w} + h\right) = 0.$$

by

$$g + 2\operatorname{Re}[bz] + h|z|^2 = g + \overline{b}\overline{z} + bz + h|z|^2$$
$$= \frac{1}{|w|^2} \left(g|w|^2 + \overline{b}w + b\overline{w} + h\right) = 0.$$

(inserting factor 2 into the left-hand formula).