Errata of the PhD Thesis 'Finite Antenna Arrays - An Eigencurrent Approach' by Dave Bekers

• List of symbols: add the following point to the symbols '$\times$' under 'Other symbols: '5. size indication of a rectangular array, e.g., $A \times B$, where A and B are either length scales or numbers of elements'.
• p. 2, Figure 1.2: the white rectangular object with the two pins should be indicated as 'dielectric'.
• p. 3, last two lines: replace 'bandwidth' by 'frequency band'. Moreover, add the following two sentences: 'The width of the frequency band is called the bandwidth, often expressed as a percentage of the center frequency in the band. Antennas with a bandwidth of the order of 10% are in general classified as narrow-band antennas, whereas antennas with a much larger bandwidth are in general classified as wide-band antennas.'
• p. 5, 2nd paragraph, line 10 – 12: replace 'To obtain ... desired frequency band' by 'Consequently, the performance depends on the frequency as well. To minimize the frequency dependency, reflection and phase change should be uniform over a desired frequency band.'
• p. 9, item 2, line 1: replace 'rectangular uniform' by 'uniform rectangular'.
• p. 9, item 2.1, line 6: add 'the size of' between '...showed that' and '... an experimental'.
• p. 9, item 2.1, line 8: remove 'broadband'.
• p. 9, item 2.1, last sentence: replace this sentence by the following text: 'As an example, we consider an array with spacing $0.5\,\lambda_0$, where λ_0 is the wavelength corresponding to the frequency of excitation f_0. If the array exhibits a narrow frequency band, the required array size suggested in [48] is 10×10, which is much lower than the size suggested in [100], i.e., 25×25. If the same array exhibits a wide frequency band, say $f_0/5 \leq f \leq f_0$, the required size is 50×50, which is much larger than the size suggested in [100].'
• p. 61, caption Figure 2.13, 2nd line: remove 'of half a wavelength'.
• p. 61, line 3 – 4: remove the sentence 'The parameter values ... Appendix ??.'.
• p. 104, 2nd line below (5.2): Replace 'eigencurrents' by 'eigenfunctions'.
• p. 104, line 8 – 9 below (5.2): Replace the sentence 'The eigenfunctions $\boldsymbol{u}_n$ of $\mathcal{P}\mathcal{Z}_{\mathrm{a}}\mathcal{P}$ are the eigencurrents of the array.' by 'The eigenfunctions $\boldsymbol{u}_n$ of $\mathcal{P}\mathcal{Z}_{\mathrm{a}}\mathcal{P}$ are the 'eigenstates' of the array, which we call the eigencurrents.'
• p. 121, 2nd line: replace $n\sqrt{n}$ by n. Add the following sentence after '...index.': 'Note that this behavior of the eigenvalues can also be observed from the series expansion (B.10) for the logarithmic kernel, in which the coefficient $n/(n^2-1)$ reveals the linear behavior for larger values of n.
• p. 122, caption Table 5.2, line 3: replace '$pi/3$ by '$\pi/3$'.
• p. 179, item 1: replace $n\sqrt{n}$ by n.
• p. 204, caption Figure 6.16: add '$(\times)$' after '$ka = \pi/3$'.
• p. 210, caption Figure 6.24, line 5: replace '$2\ell = \lambda/2$' by 'the frequency with $ka = 1.047$'.
• p. 210, caption Figure 6.24, line 8: replace '$\beta = b/\ell = 0.0205$' by '$\beta = b/a = 3/100$'. Moreover, add '$\psi = \pi/2$'.
• p. 212, caption Figure 6.25, 1st line: remove 'and minima'.
• p. 226, caption Figure 6.36, line 4: replace '$(*)$' by '($*$ or solid line)'; replace '$(\circ)$' by '(either $\triangle$ and $\circ$, or dashed and dashed-dotted)'. Moreover, replace '... one group ...' by '... one ($\triangle$ or dashed) and two ($\circ$ or dashed-dotted) groups ...'.
• p. 239, third bullet, line 1: replace 'experiments' by 'experiment'.
• p. 255, item [9]: replace 'Eijdnhoven' by 'Eijndhoven'.
• p. 262, item [89]: add 'In *Proceedings of the international conference of Electromagnetism and Advanced Applications*' before 'pages'.