Epilogue

We hope the reader has enjoyed the material arranged in this short book. There are two chapters in **Discrete and Computational Geometry** and two chapters in **Computational Algebraic Topology**. There is no clear border separating these fields, and we make an effort to further blur the difference and convey that there are three complementing ingredients: *geometry*, *topology*, and *algorithms*, and leaving any one out is to the detriment of the others.

For the reader who asks herself where to go from here, we mention a few texts that develop the threads we started in various directions. There are several established texts in **Computational Geometry**, and we recommend [1] because it is currently most representative of the field, and [2] because it focuses on Voronoi and Delaunay diagrams. The field of **Computational Topology** is considerably younger, and we mention [3] because of its focus on algebraic algorithms for homology, and [4] as a general text in the area. The field of **Algorithms** is a core subject within computer science, and we recommend [5] for a broad representation of the field, and [6] for an in-depth treatment of the data structures which are instrumental to obtain fast algorithms. Within **Discrete Geometry**, we recommend [7] for a modern treatment of convex polytopes, and [8] for its focus on circles, spheres, and transformations. The mathematical forerunners of the topological material in this book can be found in **Morse Theory** [9] and [10], in **Differential Topology** [11] and [12], and most importantly in **Algebraic Topology** [13] and [14]. In this context, we mention [15] which makes an effort to introduce the novice to the beauty of algebraic topology. This text is recommended if you are not yet acquainted to the way of thinking in topology, which at first may seem strange but soon becomes so natural that is seems strange it was strange at first.

H. Edelsbrunner, *A Short Course in Computational Geometry and Topology*, SpringerBriefs in Mathematical Methods, DOI: 10.1007/978-3-319-05957-0,

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