In the week of May 16–20, 2011, the workshop *Computational and Analytical Mathematics* (also known as *JonFest*) was held at the IRMACS Centre at Simon Fraser University in honour of Jonathan Michael Borwein’s 60th birthday. It brought together nearly 100 experts from 14 countries.

Jon Borwein is one of the most productive Canadian researchers ever. His research interests are broad, ranging from analysis, computational mathematics, and optimization to experimental mathematics and number theory. He has authored or co-authored more than a dozen books and more than 300 papers.

Those who have had the fortune of collaborating with him as students or colleagues will testify to his immense knowledge, technical mastery, and deep intuition. He has been altering the life trajectories of many of his collaborators significantly and sometimes dramatically. His passion and relentless pursuit for useful and beautiful mathematics are extraordinary; the way he inspires and brings out the best in his students and collaborators is Steve Jobs-like!

This book brings together 31 carefully refereed research and review papers in the broad areas of Jon Borwein’s interests. Most papers in this volume grew out of talks delivered at JonFest; however, some contributions are from experts who were unable to attend. Very sadly, one of the contributors, Richard Crandall, passed away in December 2012, before this book went into production.

We believe that the reader will find this book to be a delightful and valuable state-of-the-art account on some fascinating areas of Computational and Analytical Mathematics, ranging from Cantor fractals and strongly normal numbers to various algorithms in optimization and fixed point theory.

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