EXTRACT FROM OP-SF NET

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The Digital Library of Mathematical Functions (DLMF), https://dlmf.nist.gov/ , was launched in 2010. No doubt, the readers of this Newsletter are familiar with it. Although minor updates are made regularly, the need was felt to prepare major updates of some chapters, and even to add new chapters. In particular, work to thoroughly update Chapter 18 (Orthogonal Polynomials) and to expand its Subsection 18.37 (Classical OPs in Two or More Variables) into a separate chapter, is now almost completed. For a last boost to this project, the authors and their advisors met this summer in late August for a one-week workshop at NIST, Gaithersburg, Maryland, close to Washington DC. Participants were the authors Bill Reinhardt, Yuan Xu and myself, the mathematics advisor Mourad Ismail, and the general mathematics editor Adri Olde Daalhuis. We discussed, corrected and extended what was already written, and we added new parts. There was also frequent interaction with the other DLMF editors, who belong to the NIST staff. Furthermore, we gave short informal presentations to each other about recent work we had done, and we got a preview of recent developments at NIST related to the DLMF. It was the general feeling that this way of working together is very stimulating and productive.

Figure 1: DLMF workshop attendees working and having dinner.

The hottest days this summer at America's east coast were precisely during the week of our workshop. We were lodged at the pleasant Rio Washingtonian Center, an area well equipped with restaurants, shops and other entertainment.

Many thanks to NIST for the hospitality, and to Dan Lozier and Howard Cohl for raising the idea of this workshop.