ities related to this chapter see Agarwal et. al. [1–3,12–18], Bainov and Simenov [19], Magnucka–Blandi, Popenda and Agarwal [22], Mitrinović, Pečarić and Fink [23], Pang and Agarwal [29,30], Popenda and Agarwal [33].

13.12. References

[1]. R.P. Agarwal, On an integral inequality in n independent variables, *J. Math. Anal. Appl.* **85**(1982), 192–196.

[2]. R.P. Agarwal, On integrodifferential inequalities in two independent variables, *J. Math. Anal. Appl.* **89**(1982), 581–597.

[3]. R.P. Agarwal, Inequalities involving partial derivatives, *J. Math. Anal. Appl.* **89**(1982), 628–638.

[4]. R.P. Agarwal, Sharp estimates for the Wendroff discrete inequality in n independent variables, *An. st. Univ. Iasi* **30**(1984), 65–68.

[5]. R.P. Agarwal and S.J. Wilson, On discrete inequalities involving higher order partial differences, *An. st. Univ. Iasi* **30**(1984), 41–50.

[6]. R.P. Agarwal, Linear and nonlinear discrete inequalities in n independent variables, in *General Inequalities 5,* ed. W. Walter, ISNM 80, *Birkhäuser Verlag*, Basel, (1987), 303–318.

[7]. R.P. Agarwal and R.C. Gupta, Linear methods for differential equations of Sobolev type, *Comput. Math. Applic.* **14**(1987), 519–525.

[8]. R.P. Agarwal and E. Thandapani, On discrete inequalities in n independent variables, *Riv. Mat. Univ. Parma* **13**(1987), 241–256.

[9]. R.P. Agarwal, Comparison results for multidimensional difference equations, *J. Math. Anal. Appl.* **135**(1988), 476–487.

[10]. R.P. Agarwal, Systems of multidimensional discrete inequalities, *J. Math. Anal. Appl.* **140**(1989), 241–250.

[11]. R.P. Agarwal, Opial's and Wirtinger's type discrete inequalities in two independent variables, *Applicable Analysis* **43**(1992), 47–62.

[12]. R.P. Agarwal and P.Y.H. Pang, Sharp discrete inequalities in n independent variables, *Appl. Math. Comp.* **72**(1995), 97–112.

[13]. R.P. Agarwal and P.Y.H. Pang, Sharp Opial–type inequalities in two variables, *Applicable Analysis* **56**(1995), 227–242.

[14]. R.P. Agarwal and P.Y.H. Pang, *Opial Inequalities with Applications in Differential and Difference Equations*, Kluwer, Dordrecht, 1995.

[15]. R.P. Agarwal and P.Y.H. Pang, Discrete Opial–type inequalities in-

volving higher order partial differences, *Nonlinear Analysis* **27**(1996), 429–454.

[16]. R.P. Agarwal and Q. Sheng, Sharp integral inequalities in n independent variables, *Nonlinear Analysis* **26**(1996), 179–210.

[17]. R.P. Agarwal and P.Y.H. Pang, Opial–type inequalities involving higher order partial derivatives of two functions, In *General Inequalities 7*, ed. C. Bandle, ISNM 123, *Birkhäuser Verlag*, Basel (1997), 157–178.

[18]. R.P. Agarwal, J. Pečarić and I. Brnetic, Improved discrete inequalities in n independent variables, *Applied Math. Letters* **11**(2)(1998), 91–97.

[19]. D. Bainov and P. Simenov, *Integral Inequalities and Applications*, *Kluwer*, Dordrecht, 1992.

[20]. P.R. Beesack, Lower bounds for discrete inequalities of Gollwitzer–Langenhop type, *An. st. Univ. Iasi* **30**(1984), 25–30.

[21]. A. Corduneanu, A discrete integral inequality of convolution type in two independent variables, *An. st. Univ. Iasi* **32**(1986), 51–56.

[22]. E. Magnucka–Blandi, J. Popenda and R.P. Agarwal, Best possible Gronwall inequalities, *Mathl. Comput. Modelling* **26**(3)(1997), 1–8.

[23]. D.S. Mitrinović, J. Pečarić and A.M. Fink, *Inequalities Involving Functions and their Integrals and Derivatives*, *Kluwer*, Dordrecht, 1991.

[24]. B.G. Pachpatte and S.M. Singare, Discrete generalised Gronwall inequalities in three independent variables, *Pacific J. Math.* **82**(1979), 197–210.

[25]. B.G. Pachpatte, On some fundamental discrete inequalities in two independent variables, *Tamk. Jour. Math.* **12**(1981), 21–33.

[26]. B.G. Pachpatte, On certain discrete inequalities in two independent variables, *Soochow Jour. Math.* **11**(1985), 37–41.

[27]. B.G. Pachpatte, On some new multidimensional discrete inequalities, *Tamk. Jour. Math.* **17**(1986), 21–29.

[28]. B.G. Pachpatte, On certain multidimensional discrete inequalities, *Chinese J. Math.* **14**(1986), 185–195.

[29]. P.Y.H. Pang and R.P. Agarwal, On an integral inequality and its discrete analogue, *J. Math. Anal. Appl.* **194**(1995), 569–577.

[30]. P.Y.H. Pang and R.P. Agarwal, Discrete polar coordinates and a new discrete inequality, *Dynamics of Continuous, Discrete and Impulsive Systems* **2**(1996), 181–191.

[31]. J. Popenda, On the discrete analogy of Gronwall–Wendroff inequality, *Demonstratio Mathematica* **18**(1985), 1083–1103.

[32]. J. Popenda, On the discrete inequalities of Gronwall–Bellman type, *An. st. Univ. Iasi* **33**(1987), 47–52.

[33]. J. Popenda and R.P. Agarwal, On discrete Gronwall inequalities in many variables, *Computers Math. Applic.* **38**(1)(1999), 63–70.

[34]. S.M. Singare and B.G. Pachpatte, Wendroff type discrete inequalities and their applications, *Jour. Math. Phy. Sci.* **13**(1979), 149–167.

[35]. S.M. Singare and B.G. Pachpatte, On some fundamental discrete inequalities of the Wendroff type, *An. st. Univ. Iasi* **26**(1980), 85–94.

[36]. S.M. Singare and B.G. Pachpatte, On certain discrete inequalities of the Wendroff type, *Indian J. Pure Appl. Math.* **11**(1980), 727–736.

[37]. E. Thandapani and R.P. Agarwal, Some new discrete inequalities in two independent variables, *An. st. Univ. Iasi* **27**(1981), 269–278.

[38]. E. Thandapani and R.P. Agarwal, On some new inequalities in n independent variables, *J. Math. Anal. Appl.* **86**(1982), 542–561.

[39]. E. Thandapani, On some new discrete inequalities in two independent variables involving higher order differences, *Jour. Math. Phy. Sci.* **21**(1987), 377–389.

[40]. E. Thandapani, Discrete inequalities in n independent variables of Gronwall–Bellman type, *Applicable Analysis* **30**(1988), 189–199.

[41]. E.H. Yang, On some new discrete generalizations of Gronwall's inequality, *J. Math. Anal. Appl.* **129**(1988), 505–516.

[42]. C.C. Yeh, Discrete inequalities of the Gronwall–Bellman type in n independent variables, *J. Math. Anal. Appl.* **105**(1985), 322–332.

[43]. C.C. Yeh, Discrete inequalities of the Gronwall–Bellman type in n independent variables, II, *J. Math. Anal. Appl.* **106**(1985), 282–285.