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For more material on automata groups see

R. Grigorchuk, *Solved and unsolved problems around one group*; in: “Infinite Groups: Combinatorial, Geometric and Dynamical Aspects” in the Series “Progress in Mathematics”, Vol. 248, Bartholdi, L.; Ceccherini-Silberstein, T.; Smirnova-Nagnibeda, T.; Zuk, A. (Eds.), Birkhäuser, 2005, 405 p., Hardcover, ISBN: 3-7643-7446-2.

V. Nekrashevych, *Self-similar Groups*; AMS Mathematical Surveys and Monographs 2005; 231 pp; Volume: 117, ISBN-10: 0-8218-3831-8.

and references therein.

For detailed and elementary exposition of Grigorchuk’s first construction of a group of intermediate growth see also the last Chapter in the (also very good for other aspects of Geometric Group Theory!) book

P. de la Harpe, *Topics in Geometric Group Theory*; Chicago Lectures in Mathematics, 310 pages, University of Chicago Press, 2000, ISBN: 9780226317199.