Record Nr. UNINA9910972394703321 Autore Fragnelli Genni Titolo Corrigendum and Improvements to Carleman Estimates, Observability Inequalities and Null Controllability for Interior Degenerate Nonsmooth Parabolic Equations and Its Consequences Pubbl/distr/stampa Providence:,: American Mathematical Society,, 2021 ©2021 **ISBN** 9781470467487 1470467488 Edizione [1st ed.] Descrizione fisica 1 online resource (32 pages) Memoirs of the American Mathematical Society;; v.272 Collana Classificazione 35K6593B0593B07 Altri autori (Persone) MugnaiDimitri Disciplina 515/.3534 Soggetti Inequalities (Mathematics) Differential equations, Parabolic Carleman theorem Sobolev spaces Partial differential equations -- Parabolic equations and systems --Degenerate parabolic equations Systems theory; control -- Controllability, observability, and system structure -- Controllability Systems theory; control -- Controllability, observability, and system structure -- Observability Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Nota di contenuto Cover -- Title page -- Chapter 1. Introduction -- Chapter 2. Correction to [2] -- Chapter 3. Correction to [1] -- Chapter 4. Correction to [3] --Acknowledgments -- Bibliography -- Back Cover. "In Chapter 5 of [2] there is a mistake in one assumption, which do not Sommario/riassunto affect the results of the paper in the previous chapters. Precisely, the assumption in equation (5.2) has to be replaced by equation (5.6) therein. This replacement propagates in Hypotheses 5.2 and 5.3, as well as in Sections 4 and 5 of [1] and in Hypothesis 4.1(ii) of [3]. For the readers' convenience, we write here all the proofs of the involved results, though they are very similar. We remark that in all cases.

replacing the correct assumptions makes all the written results true.

and in most cases the proofs we give here are simpler than before. Each section follows the notations and the enumeration of the corresponding paper"--