1. Record Nr.	UNINA9910698394803321
Autore	Muljadi E
Titolo	Comparing single and multiple turbine representations in a wind farm simulation [[electronic resource]] : preprint / / E. Muljadi and B. Parsons
Pubbl/distr/stampa	Golden, CO : , : National Renewable Energy Laboratory, , [2006]
Descrizione fisica	10 pages : digital, PDF file
Collana	NREL/CP ; ; 500-39510
Altri autori (Persone)	ParsonsBrian K
Soggetti	Wind power plants - Comparative method
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Aug. 15, 2007). "March 2006."

2.	Record Nr.	UNINA9910821466903321
	Autore	Humpola Jesco
	Titolo	Gas network optimization by MINLP / / Jesco Humpola
	Pubbl/distr/stampa	Berlin : , : Logos Verlag, , [2014] ©2014
	ISBN	3-8325-9278-4
	Descrizione fisica	1 online resource (260 pages)
	Disciplina	660.28423
	Soggetti	Gases - Absorption and adsorption
	Lingua di pubblicazione	Inglese
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	Note generali	PublicationDate: 20170725
	Sommario/riassunto	Long description: This thesis is about mathematical optimization for an efficient operation of gas transmission networks. The challenging question is how to expand and operate the network in order to facilitate the transportation of specified gas quantities at minimum cost. This problem is a major challenge for gas network operators. It is extremely hard to solve due to the combinatorial complexity of the active network elements such as compressors, the nonlinear physical characteristic of pipelines, and the immense sizes of the problem instances. Mathematical models and optimization techniques can result in huge gains for the network operators in terms of cost reductions and automated computations. We tackle this challenge by developing novel mathematical theory and associated innovative optimization algorithms for large scale instances. This allows us to produce solutions for a real-world instance, i.e., the largest gas network in Germany.