

1. Record Nr.	UNINA9910779572903321
Autore	Duffie John A
Titolo	Solar engineering of thermal processes [[electronic resource] /] / John A. Duffie, William A. Beckman
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	1-118-67160-0 1-118-41541-8 1-299-44914-X 1-118-41812-3
Edizione	[4th ed.]
Descrizione fisica	1 online resource (938 p.)
Altri autori (Persone)	BeckmanWilliam A
Disciplina	621.47
Soggetti	Solar energy Heat - Transmission
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Fundamentals -- pt. 2. Applications -- pt. 3. Design methods.
Sommario/riassunto	The fourth edition of the acknowledged leading book on solar engineering, this volume presents the basics of solar energy, then goes on to cover the technologies used to harvest this solar energy, store it, and deliver it, including photovoltaics, solar heaters, and cells. The new edition features an added chapter discussing a simulation problem, allowing students to apply the theory to real world systems. Other simulation problems are offered via a student website and include a solar domestic hot water system, a commercial solar heating application, and a photovoltaic system for a house.