1. Record Nr. UNISALENTO991001025589707536

Autore	Schweber, Silvan S.
Titolo	An introduction to relativistic quantum field theory / Silvan S. Schweber
Pubbl/distr/stampa	New York : Harper and Row, c1961
Descrizione fisica	913 p.
Classificazione	53.3.3 53.3.11 53.3.12 530.143 QC174.45
Soggetti	Quantum field theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliography.

2. Record Nr. UNINA9910367241403321

Autore	Delgado João M. P. Q
Titolo	Interface Influence on Moisture Transport in Building Components : the Wetting Process / / by João M. P. Q. Delgado, António C. Azevedo, Ana S. Guimarães
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-30803-0
Descrizione fisica	1 online resource (viii, 62 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-530X
Disciplina	620.11 530.417
Soggetti	Building materials Materials science Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- State-of-the-Art -- Moisture Content Determination -- Interface Influence during the Wetting Process -- Conclusions.
Sommario/riassunto	The knowledge of moisture migration inside building materials and construction building components is decisive for the way they behave when in use. The durability, waterproofing, degrading aspect and thermal behaviour of these materials are strongly influenced by the existence of moisture within their interior, which provoke changes in their normal performance, something that is normally hard to predict. Due to the awareness of this problem, the scientific community have per-formed various studies about the existence of moisture inside porous materials. The complex aspects of moisture migration phenomenon tended to encompass monolithic building elements, since the existence of joints or layers contributes to the change of moisture transfer along the respective building element that contribute to the change of mass transfer law. The presentation of an experimental analyses concerning moisture transfer in the interface of material that makes up masonry is described in such a way as to evaluate the durability and/or avoid building damages. In this work it was analysed, during the wetting process, the influence of different types of interface,

commonly observed in masonry, such as: perfect con-tact, joints of cement mortar, lime mortar, and the air space interface. The results allow the calculation of the hygric resistance. With these results, it is possible to use any advanced hygrothermal simulation program to study the water transport in building elements, considering different interfaces and their hygric resistance.