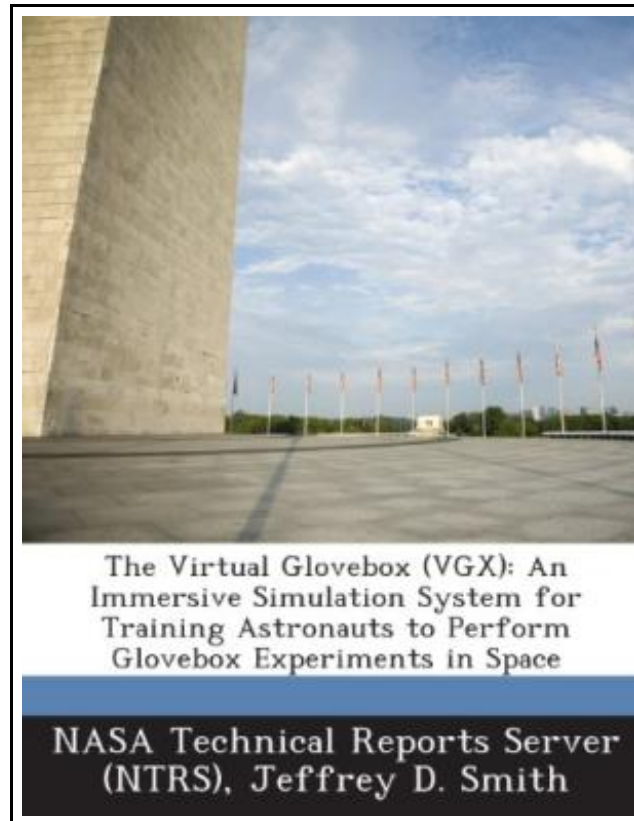


## The Virtual Glovebox (Vgx): An Immersive Simulation System for Training Astronauts to Perform Glovebox Experiments in Space



Filesize: 2.11 MB

### ***Reviews***

*Certainly, this is the very best work by any writer. It is loaded with knowledge and wisdom I am just quickly will get a satisfaction of reading through a created publication.*

*(Donavon Okuneva)*

## THE VIRTUAL GLOVEBOX (VGX): AN IMMERSIVE SIMULATION SYSTEM FOR TRAINING ASTRONAUTS TO PERFORM GLOVEBOX EXPERIMENTS IN SPACE

[DOWNLOAD](#)

Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The era of the International Space Station (ISS) has finally arrived, providing researchers on Earth a unique opportunity to study long-term effects of weightlessness and the space environment on structures, materials and living systems. Many of the physical, biological and material science experiments planned for ISS will require significant input and expertise from astronauts who must conduct the research, follow complicated assay procedures and collect data and samples in space. Containment is essential for Much of this work, both to protect astronauts from potentially harmful biological, chemical or material elements in the experiments as well as to protect the experiments from contamination by air-borne particles In the Space Station environment. When astronauts must open the hardware containing such experiments, glovebox facilities provide the necessary barrier between astronaut and experiment. On Earth, astronauts are faced with the demanding task of preparing for the many glovebox experiments they will perform in space. Only a short time can be devoted to training for each experimental task and glovebox research only accounts for a small portion of overall training and mission objectives on any particular ISS mission. The quality of the research also must remain very high, requiring very detailed experience and knowledge of instrumentation, anatomy and specific scientific objectives for those who will conduct the research. This unique set of needs faced by NASA has stemmed the development of a new computer simulation tool, the Virtual Glovebox (VGB), which is designed to provide astronaut crews and support personnel with a means to quickly and accurately prepare and train for glovebox experiments in space. This item ships from La Vergne, TN. Paperback.



[Read The Virtual Glovebox \(Vgx\): An Immersive Simulation System for Training Astronauts to Perform Glovebox Experiments in Space Online](#)



[Download PDF The Virtual Glovebox \(Vgx\): An Immersive Simulation System for Training Astronauts to Perform Glovebox Experiments in Space](#)

## See Also



### **Yearbook Volume 15**

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free...

[Read Document »](#)



### **Molly on the Shore, BFMS 1 Study score**

Petrucchi Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Read Document »](#)



### **When Santa Claus Prayed**

Xulon Press. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 9.0in. x 8.1in. x 0.3in. Dad, you're wrong about Santa Claus! I can't sit on baby Jesus's lap or even see him! I can't send letters...

[Read Document »](#)



### **California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English. Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson. If purchasing or renting from companies...

[Read Document »](#)



### **Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English. Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson. If purchasing or renting from companies...

[Read Document »](#)