

1. Record Nr.	UNINA9910807647603321
Titolo	The potential impact of high-end capability computing on four illustrative fields of science and engineering [[electronic resource] /] / Committee on the Potential Impact of High-End Computing on Illustrative Fields of Science and Engineering, Division on Engineering and Physical Sciences, Division on Earth and Life Sciences
Pubbl/distr/stampa	Washington, DC, : National Academies Press, c2008
ISBN	0-309-13443-9 9786611972912 1-281-97291-6 0-309-12486-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (158 p.)
Disciplina	502.85
Soggetti	High performance computing - United States Supercomputers - United States Science - Data processing Engineering - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- Acknowledgments -- Contents -- Summary -- 1 Problem Definition and History -- 2 The Potential Impact of HECC in Astrophysics -- 3 The Potential Impact of HECC in the Atmospheric Sciences -- 4 The Potential Impact of HECC in Evolutionary Biology -- 5 The Potential Impact of HECC in Chemical Separations -- 6 Numerical and Algorithmic Characteristics of HECC That Will Be Required by the Selected Fields -- 7 Conclusions -- Appendix A: Biographical Sketches of Committee Members -- Appendix B: Agendas of Committee Meetings -- Appendix C: Glossary.