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### Quantifiers in TIME and SPACE : computational complexity of generalized quantifiers in natural language

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Did you know that the highest mountain on Earth is Chimborazo in South America? Yes, it really is! Its summit is the farthest point from Earth's centre.

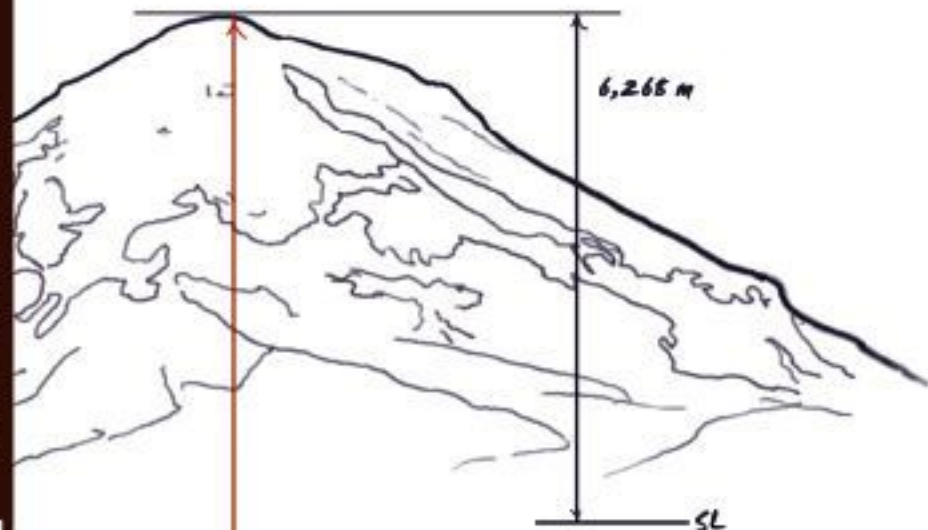
'The height of the mountain' is an expression with different meanings, as there are different procedures for measuring. In this book the meaning of natural language expressions is identified with algorithms that compute their denotations. This allows discussing the difficulty of language comprehension in well-defined, mathematical terms.

*Quantifiers in TIME and SPACE* is a study devoted to computational complexity of generalized quantifiers. The book reaches beyond pure logic and linguistics, linking formal properties of quantifiers to empirical results about the difficulty of quantifier constructions in natural language comprehension.

JAKUB SZYMANIK



Quantifiers in TIME and SPACE



6,384.4 km



## Quantifiers in TIME and SPACE

Computational Complexity  
of Generalized Quantifiers  
in Natural Language

JAKUB SZYMANIK