

## Grasping the Conceptual Difference between János Bolyai's and Lobachevskii's Notions of Non-Euclidean Parallelism

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The presentation is going to examine the difference between János Bolyai's and Lobachevskii's notions of non-Euclidean parallelism. The examination starts with the summary of a widespread view of historians of mathematics on János Bolyai's notion of non-Euclidean parallelism used in the first paragraph of his Appendix. After this a novel position of the location and meaning of Bolyai's term "parallela" in his *Appendix* is put forward. Subsequently János Bolyai's Hungarian manuscript, the *Commentary on Lobachevskii's Geometrische Untersuchungen* is elaborated in order to see how Bolyai's and Lobachevskii's notions of parallelism differ. The careful examination of the *Commentary* reveals a seeming incoherence of Bolyai's translation, and finally the explanation of this incoherence offered by the *received view* and that of the novel position will be compared and assessed.