

The core of this work are electronic tools, specifically interactive animations, usable for teaching the special theory of relativity in the advanced courses in the high schools and on college level. Using HTML5 technologies were created four interactive animations and calculator of relativistic phenomena. For interactive animations, there are sets of questions and tasks accompanied with the correct answers. There are three options in using of these tools: either by the teacher in frontal instruction method or by students during their individual work or by the general public interested in the topic of the special theory of relativity. Whole package is available online. The work also includes research of related literature, misconceptions and available electronic tools.