

TEIST JÄRKU PINNAD

Kõik järgnevad pinnad on antud oma kanooniliste võrranditega kanoonilises reeperis. Pindade pilte saab näha järgmisel leheküljel.

1. Ellipsoid $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} + \frac{x_3^2}{c^2} = 1$

2. Ühekatteline hüperboloid $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = 1$

3. Kahekatteline hüperboloid $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = -1$

4. Elliptiline paraboloid $\frac{x_1^2}{p_1} + \frac{x_2^2}{p_2} = 2x_3$

5. Teist järku koonus $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = 0$

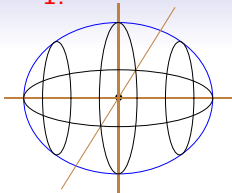
6. Hüperboolne paraboloid $\frac{x_1^2}{p_1} - \frac{x_2^2}{p_2} = 2x_3$

7. Elliptiline silinder $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} = 1$

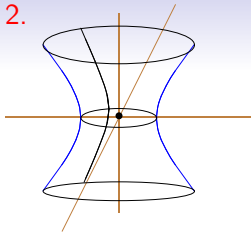
8. Hüperboolne silinder $\frac{x_1^2}{a^2} - \frac{x_2^2}{b^2} = 1$

9. Parabolne silinder $x_2^2 = 2px_1$

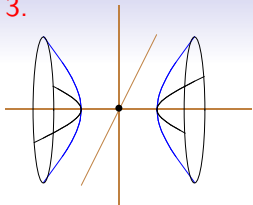
1.



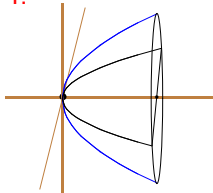
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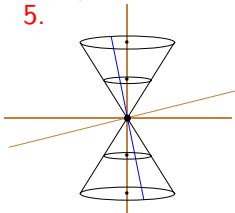
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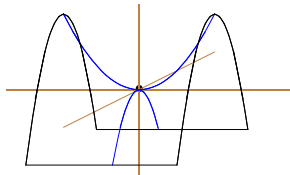
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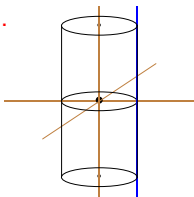
5.



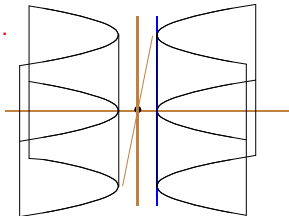
6.



7.



8.



9.

