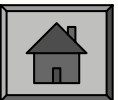




Fächerübergreifende Projekte mit Euklid Dynageo

Georg Fuchs
BRG 4 Waltergasse 7
1040 Wien



Abstufungen:

„Light“-Variante

Schüler **arbeiten** mit bereits (halb-)fertigen Zeichnungen in Euklid

„Profi“-Variante

Schüler **erstellen** Zeichnungen in Euklid und arbeiten dann damit.



Fächerübergriffe zwischen GZ, ACG und

Mathematik

Matrizenrechnung



Differenzengeometrie

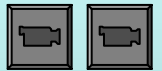


Komplexe Zahlen



Physik

Optik



Mechanik



Schwingungslehre



Bewegungslehre



Wechselstrom

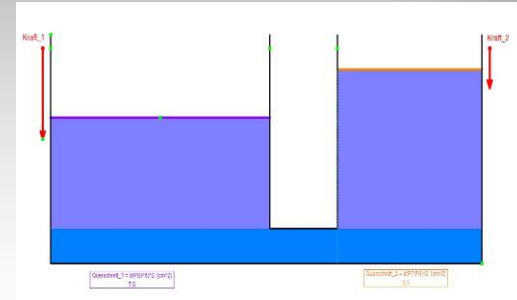


MECHANIK

1/1

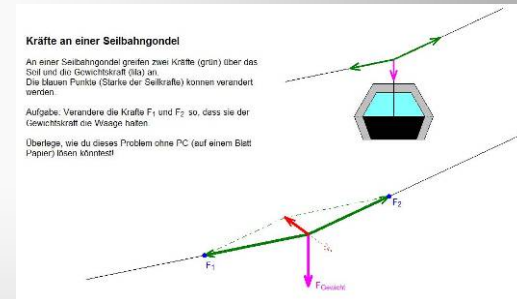
Hydraulische Presse

[2.Kl. (light); 4.Kl. (profi)]



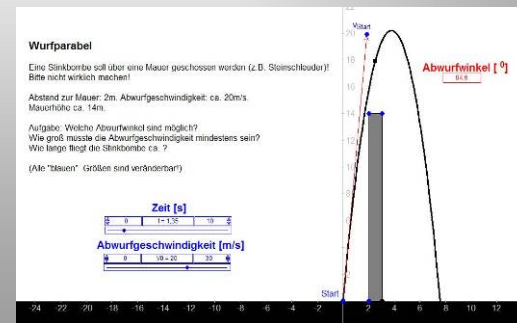
Kräfteparallelogramme

[2-4.Kl. (profi)]



Wurfparabel

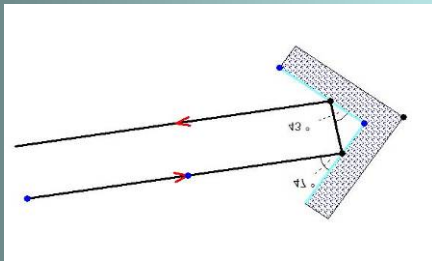
[5.Kl. (profi)]



OPTIK 1/2

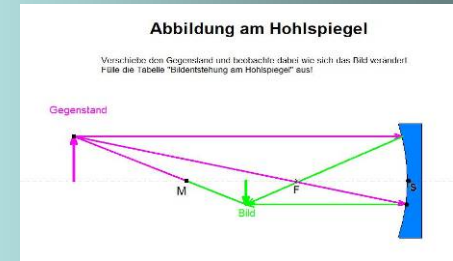
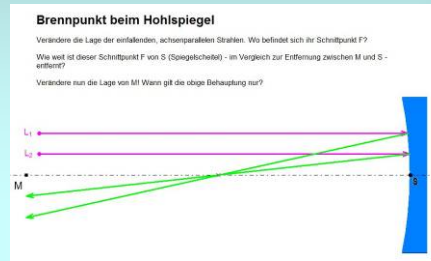
Doppelspiegel

[2.- 4.Kl. (profi)]



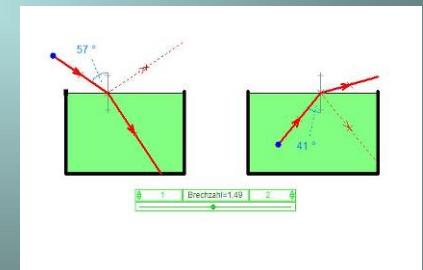
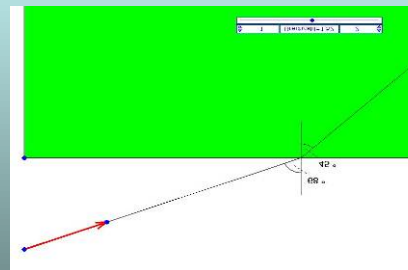
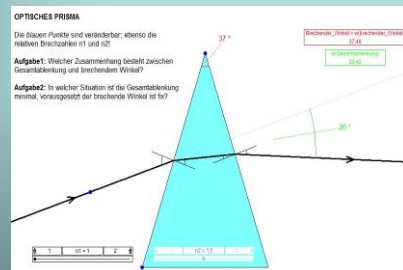
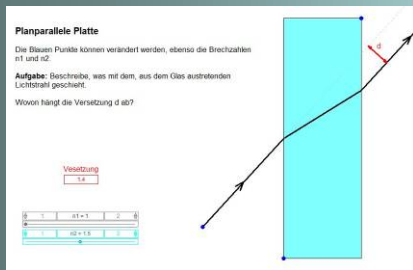
Gekrümmte Spiegel

[4.Kl. (profi)]



Opt. Prismen

[4.Kl. (light); 6.Kl. (profi)]



Lichtbrechung

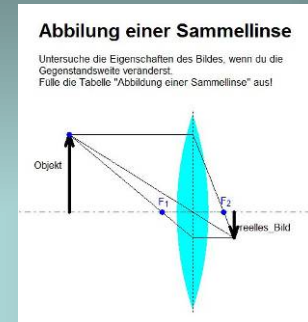
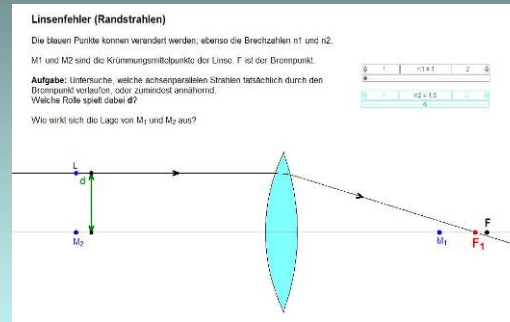
[4.Kl. (light); 6.Kl. (profi)]



OPTIK 2/2

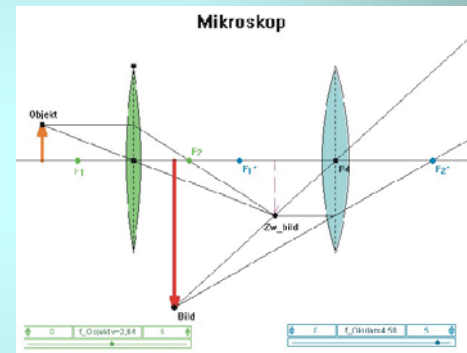
Opt. Linsen

[4.Kl. (light); 6.Kl.(profi)]



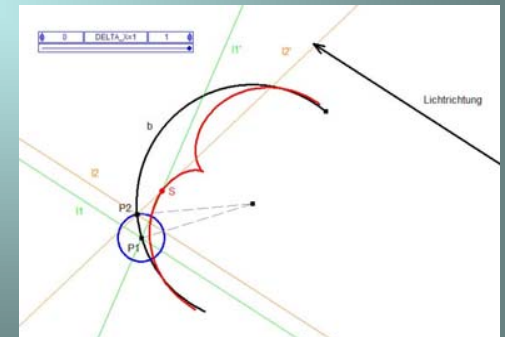
Mikroskop

[4.Kl. (profi); 6.Kl.(profi)]



Kaustik

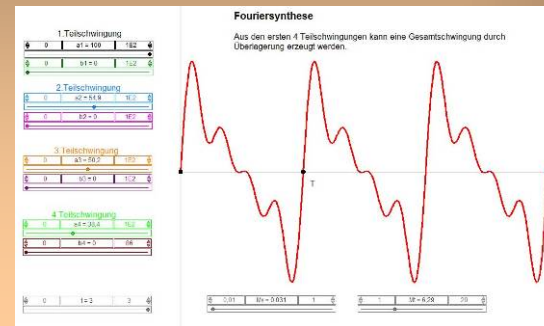
[7.Kl. (profi)]



SCHWINGUNGSLEHRE 1/1

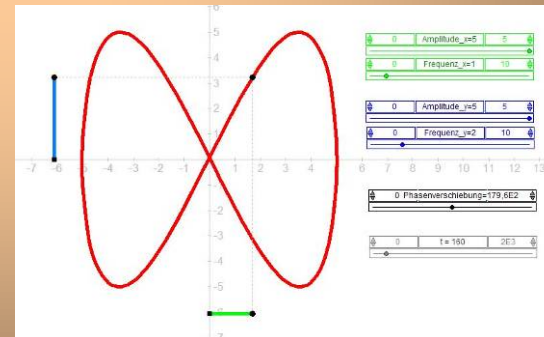
Fouriersynthese

[6.Kl. (profi)]



Lissajoufigur

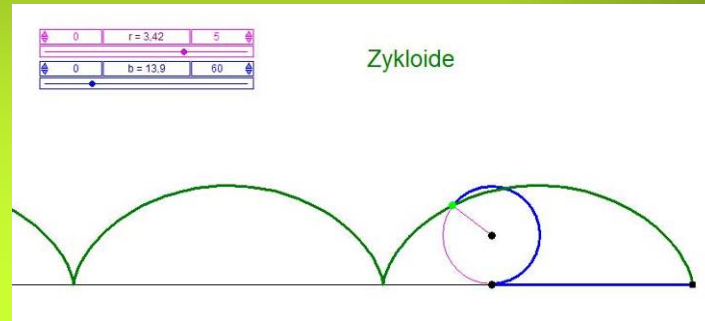
[6.Kl. (profi)]



BEWEGUNGSLEHRE 1/1

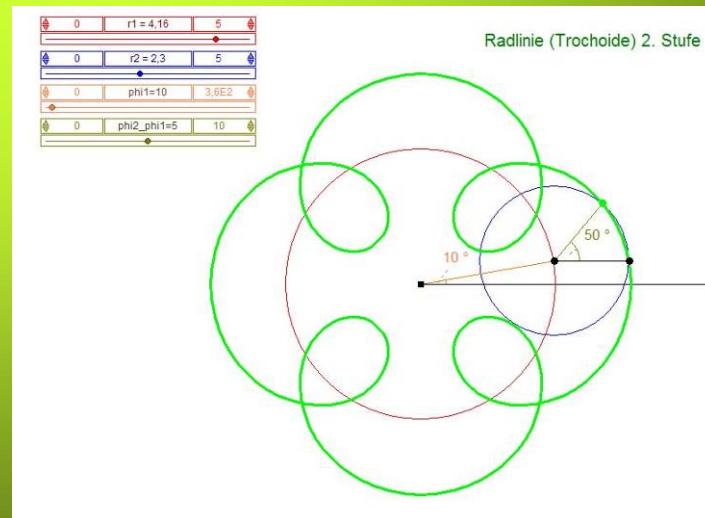
Zykloide

[5.Kl. (profi)]



Trochoide

[5.Kl. (profi)]

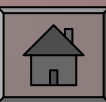
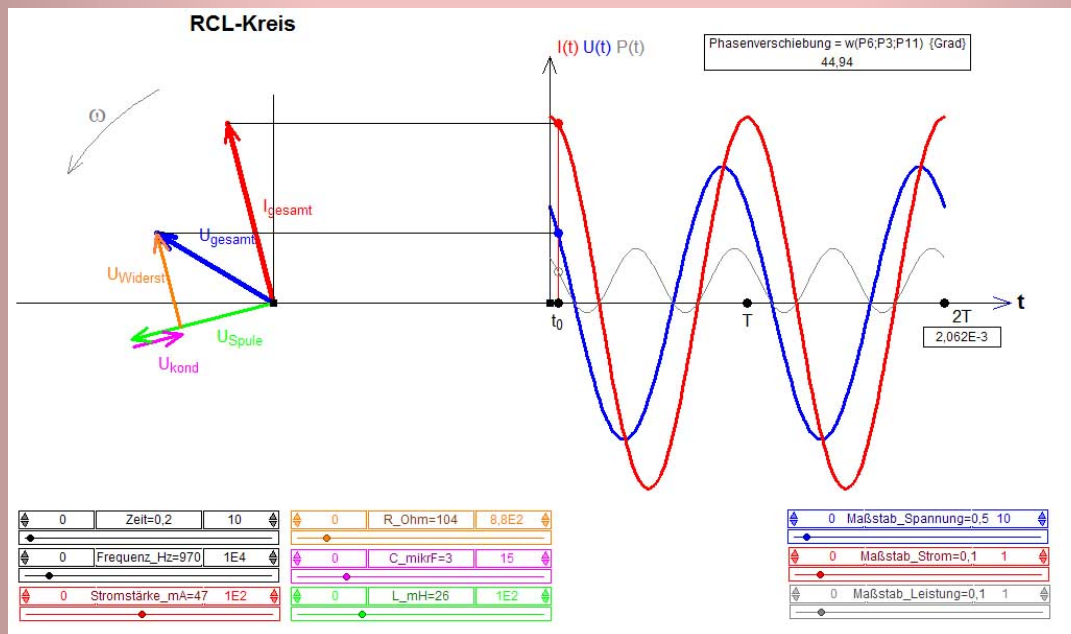


Wechselstrom 1/1

(Komplexe Zahlen)

RCL-Kreis - Zeigerdiagramm

[7.KI. (profi)]

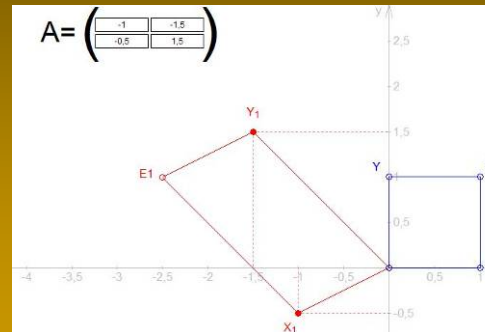


Matrizenrechnung

1/1

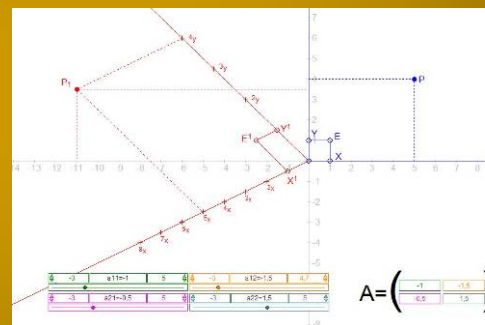
lin. Abbildungen (Matrix-Koeffizienten)

[6.Kl. (profi)]



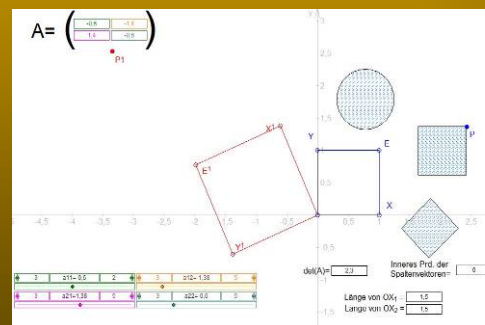
lin. Abbildungen (Basiswechsel)

[6.Kl. (profi)]



lin. Abbildungen (Eigenschaften)

[6.Kl. (profi)]

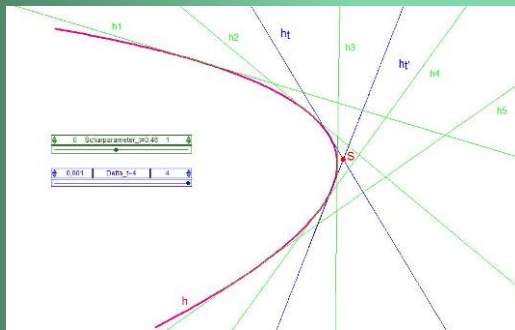


Differenzengeometrie

1/1

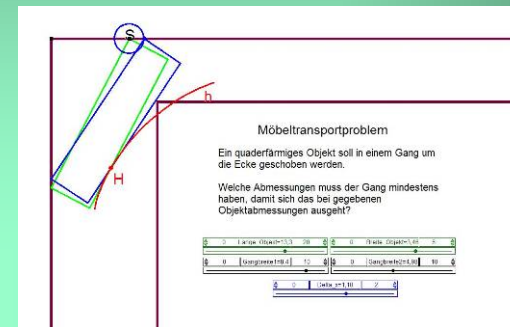
Kurvenschar-Hüllkurve

[7.Kl. (profi)]



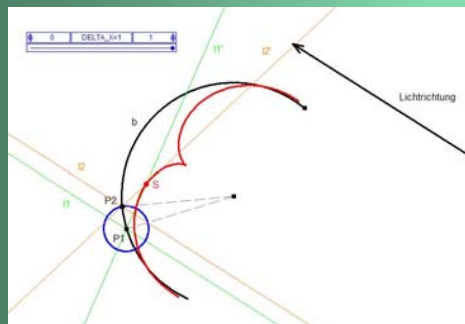
Möbeltransportproblem

[7.Kl. (profi)]



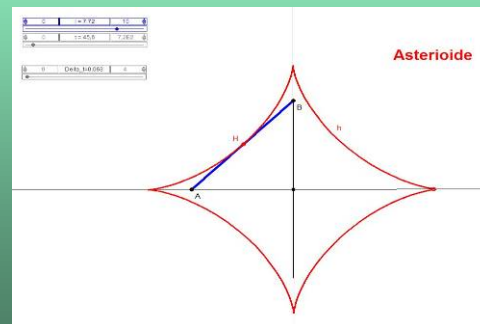
Kaustik

[7.Kl. (profi)]



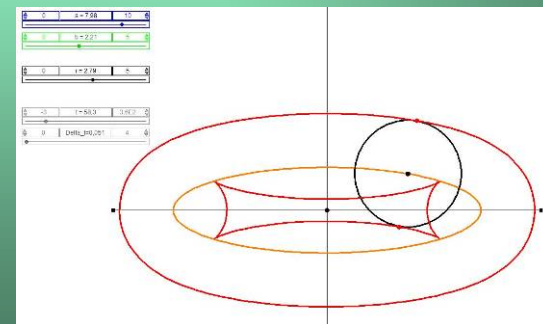
Astroide

[7.Kl. (profi)]



Torusumriss

[7.Kl. (profi)]





Danke für die Geduld!

Und tschüss !

**Georg Fuchs
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Wien**

