

Modelação e Visualização Tridimensional em Arquitectura

U LISBOA

UNIVERSIDADE
DE LISBOA



FACULDADE DE ARQUITETURA
UNIVERSIDADE DE LISBOA

Mestrado Integrado em Arquitectura
Ano Lectivo 2022-2023 2º Semestre
Docente - Nuno Alão 3º Ano

20201331



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ÍNDICE

Exerc. 1.1 – Superfícies Parabólicas	8
Exerc. 2 – Poliedros Regulares	
2.1 – Hexaedro (box e extrude)	9
2.2 – Tetraedro	10
2.3 – Hexaedro (3drotate)	11
2.4 – Octaedro	12
2.5 – Dodecaedro	13
2.6 – Icosaedro	14

ÍNDICE

Exerc. 3 – Dualidade dos Poliedros	
3.1 – Auto-dual.....	16
3.2 – Inter-duais (hexaedro e octaedro).....	17
3.3 – Inter-duais (dodecaedro e icosaedro).....	18
Exerc. 4 – Intersecções.....	19

ÍNDICE

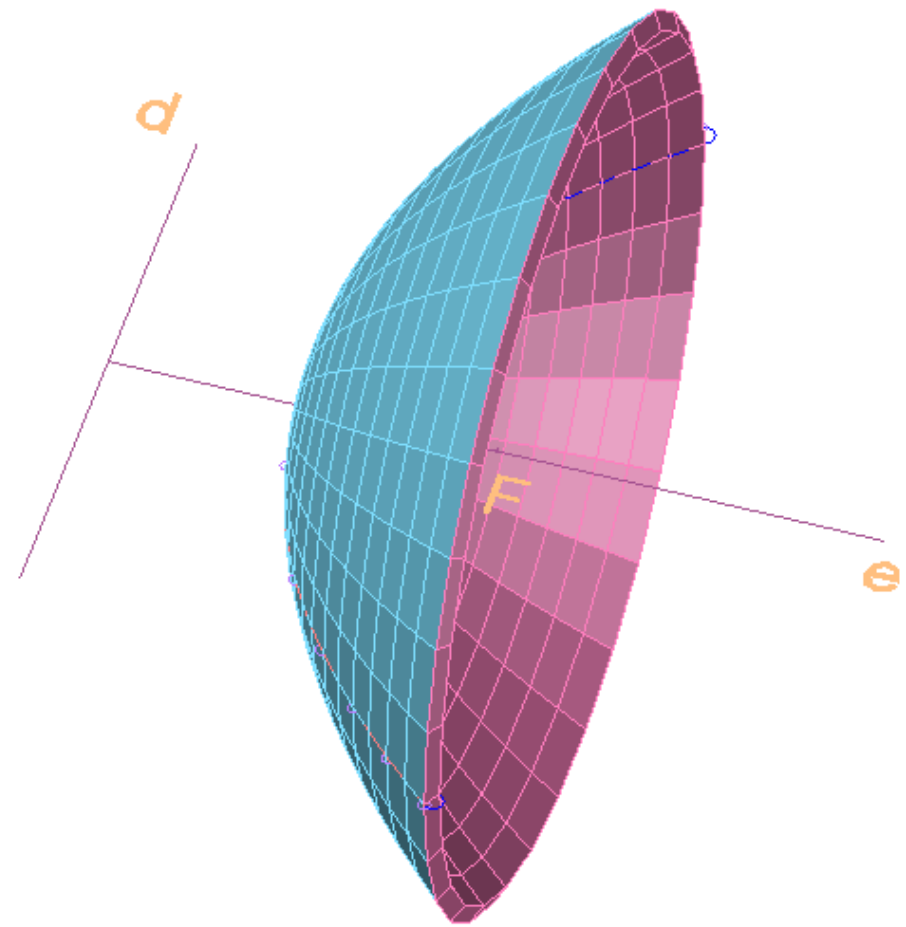
Exerc. 5 – Xadrez	23
Exerc. 6.1 – Hiperboloide de Revolução	24
6.2 – Paraboloide Hiperbólico	25
Exerc. 7 – Helix	26

ÍNDICE

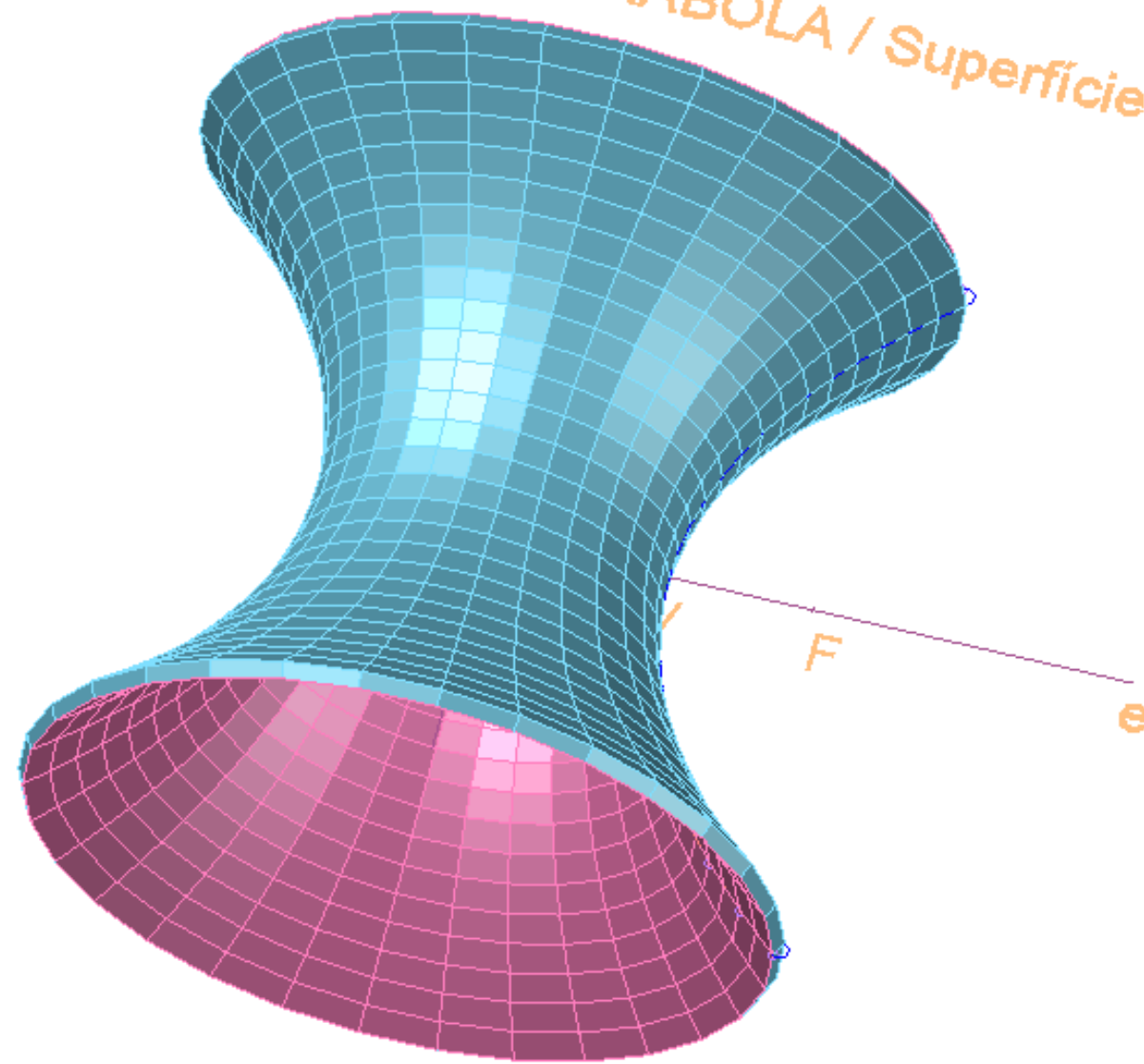
Exerc. 8 – Sólidos	28
Exerc. 9 – Candeeiro.....	29

Entrega 1

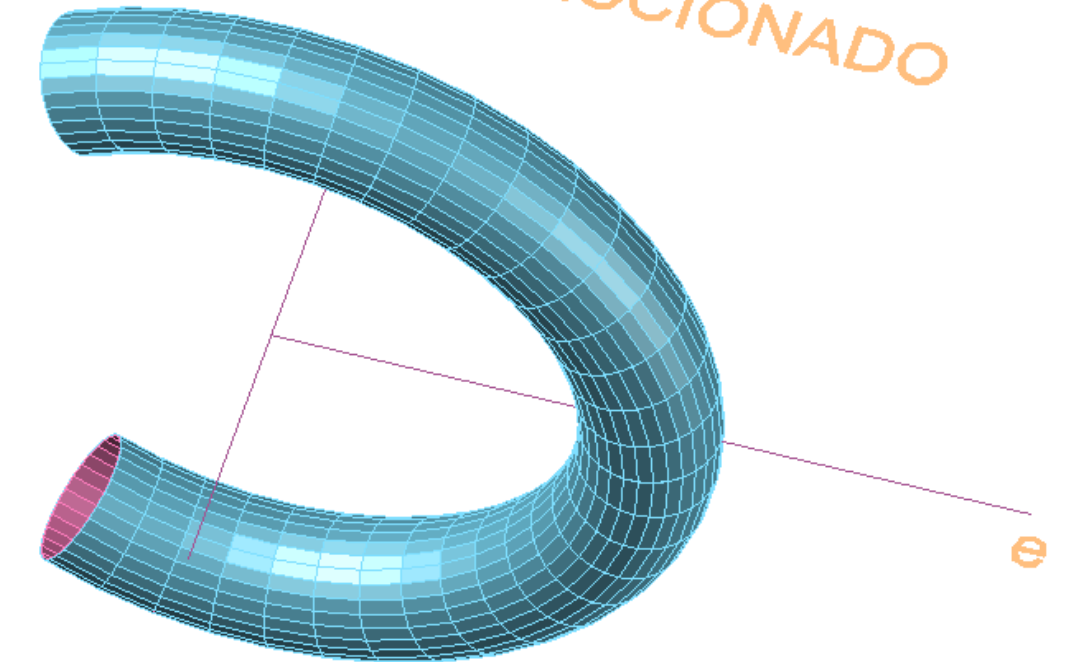
PARÁBOLA / Superfície Parabólica



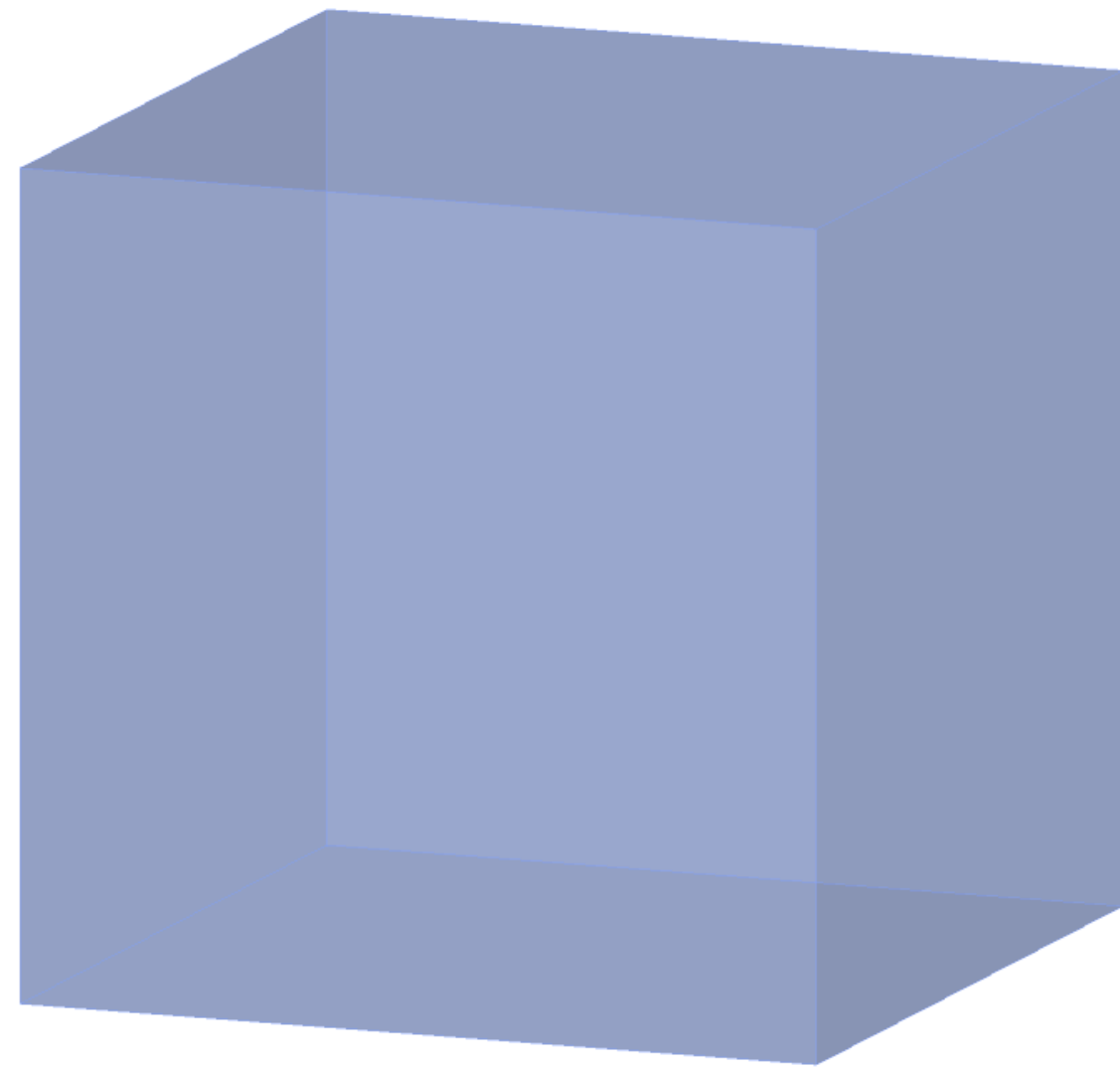
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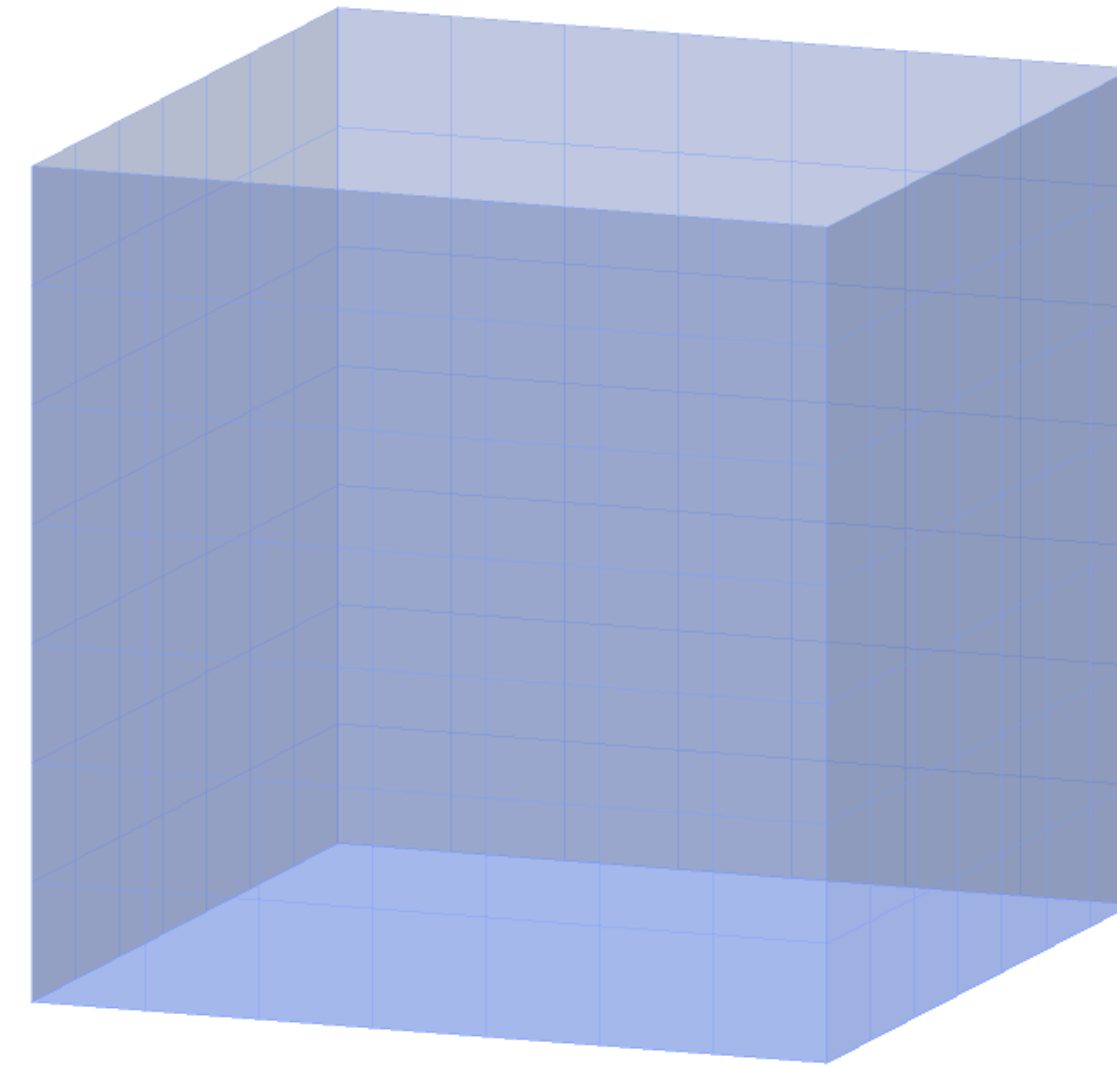
TORO SECCIONADO



Exerc. 1.1 - Superfícies Parabólicas

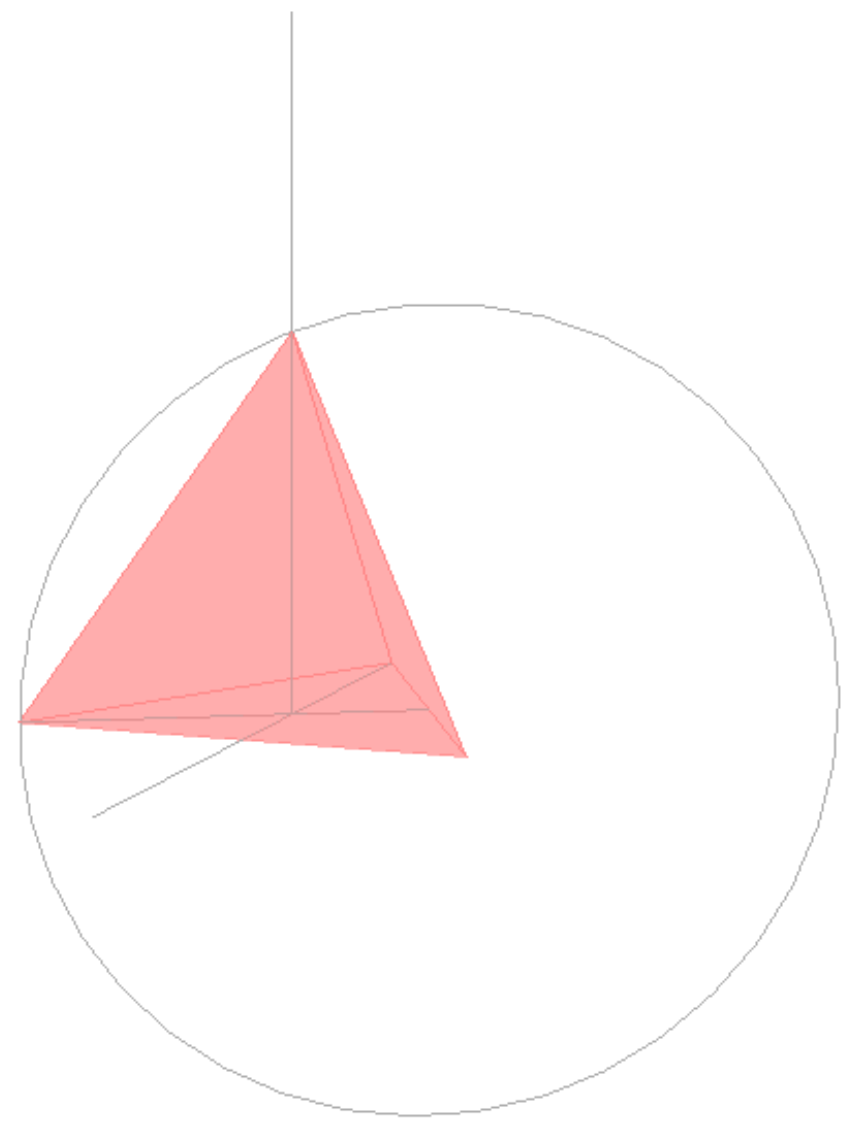


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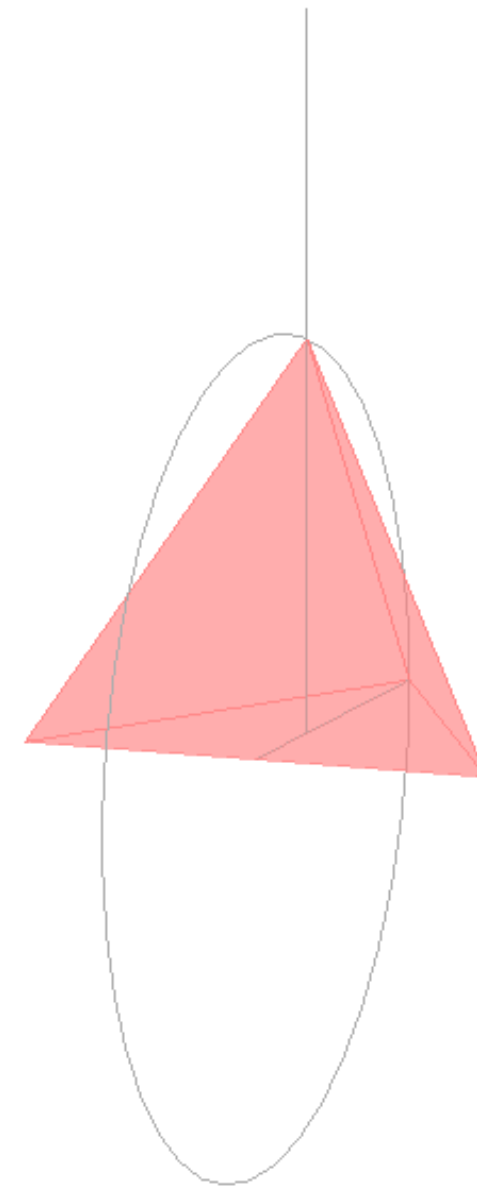
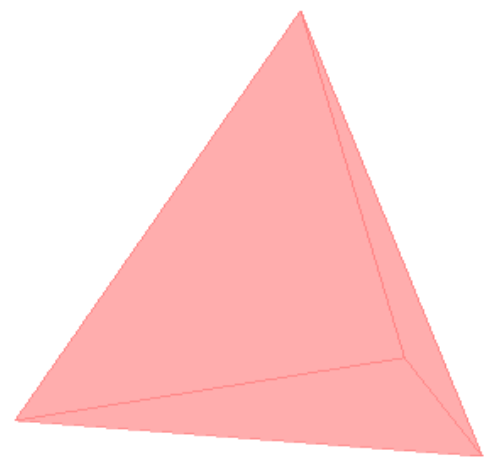


EXTRUDE

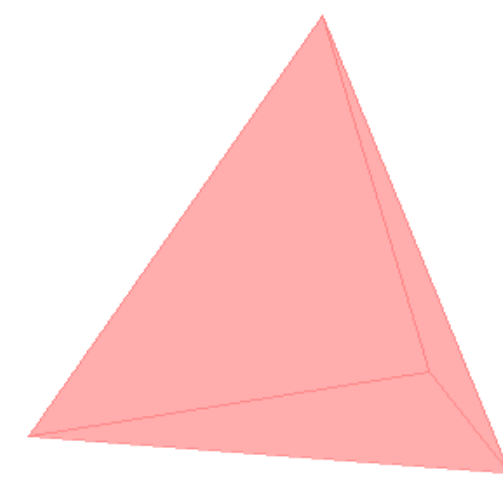
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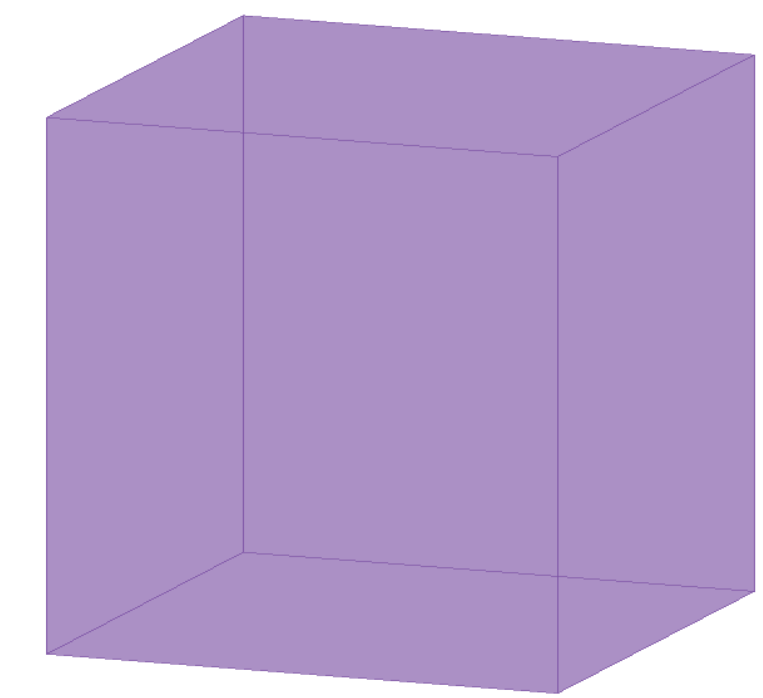
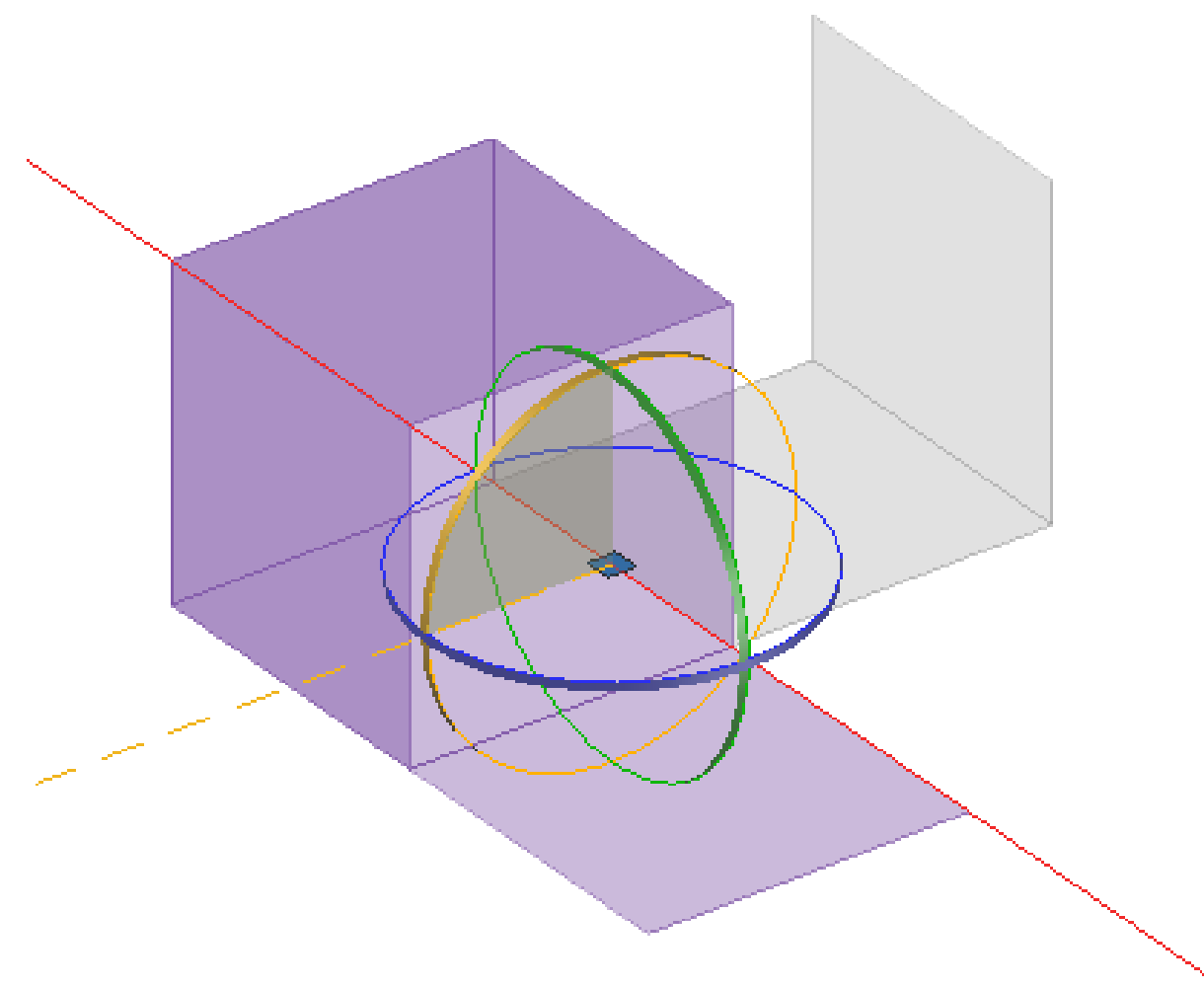
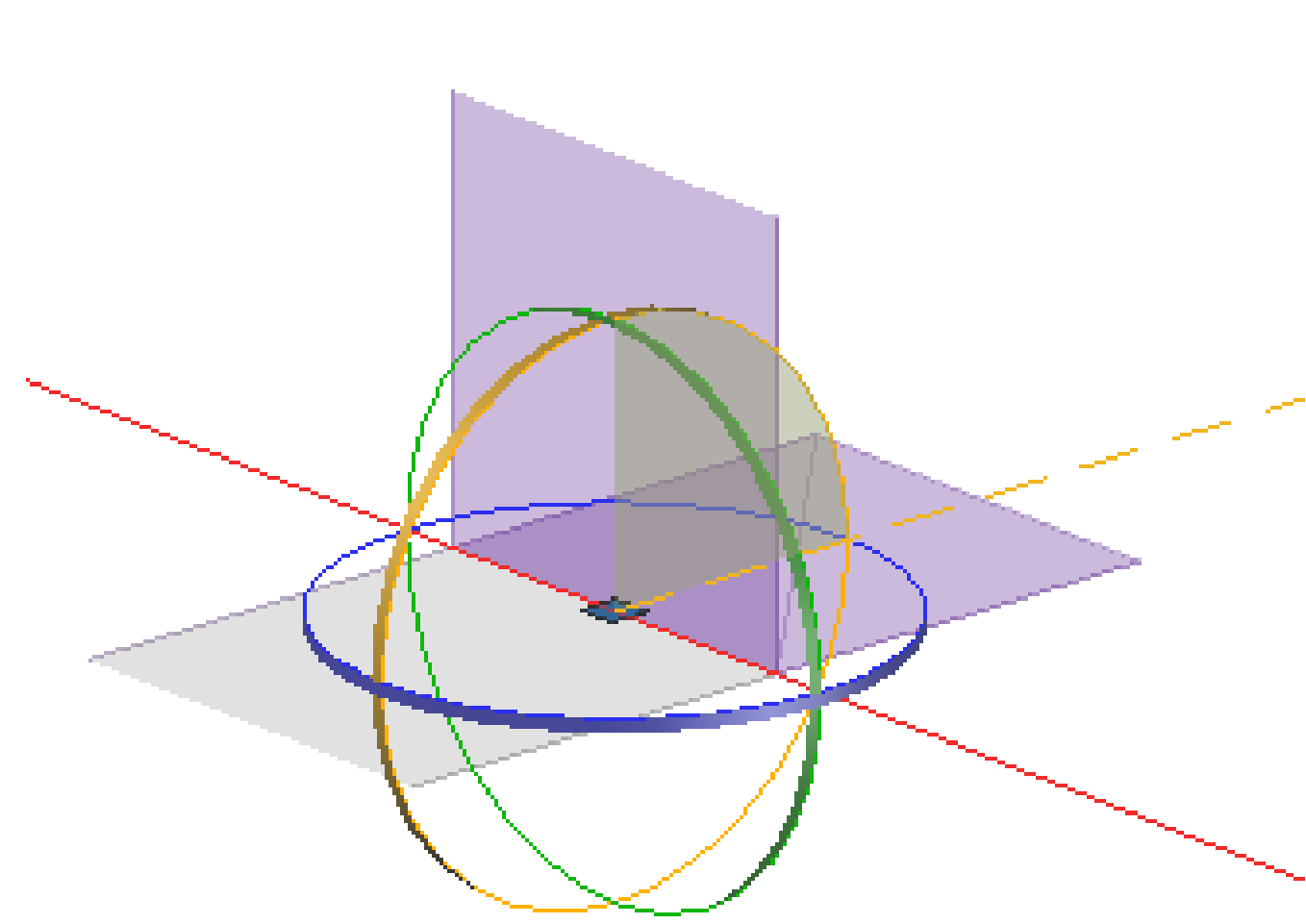
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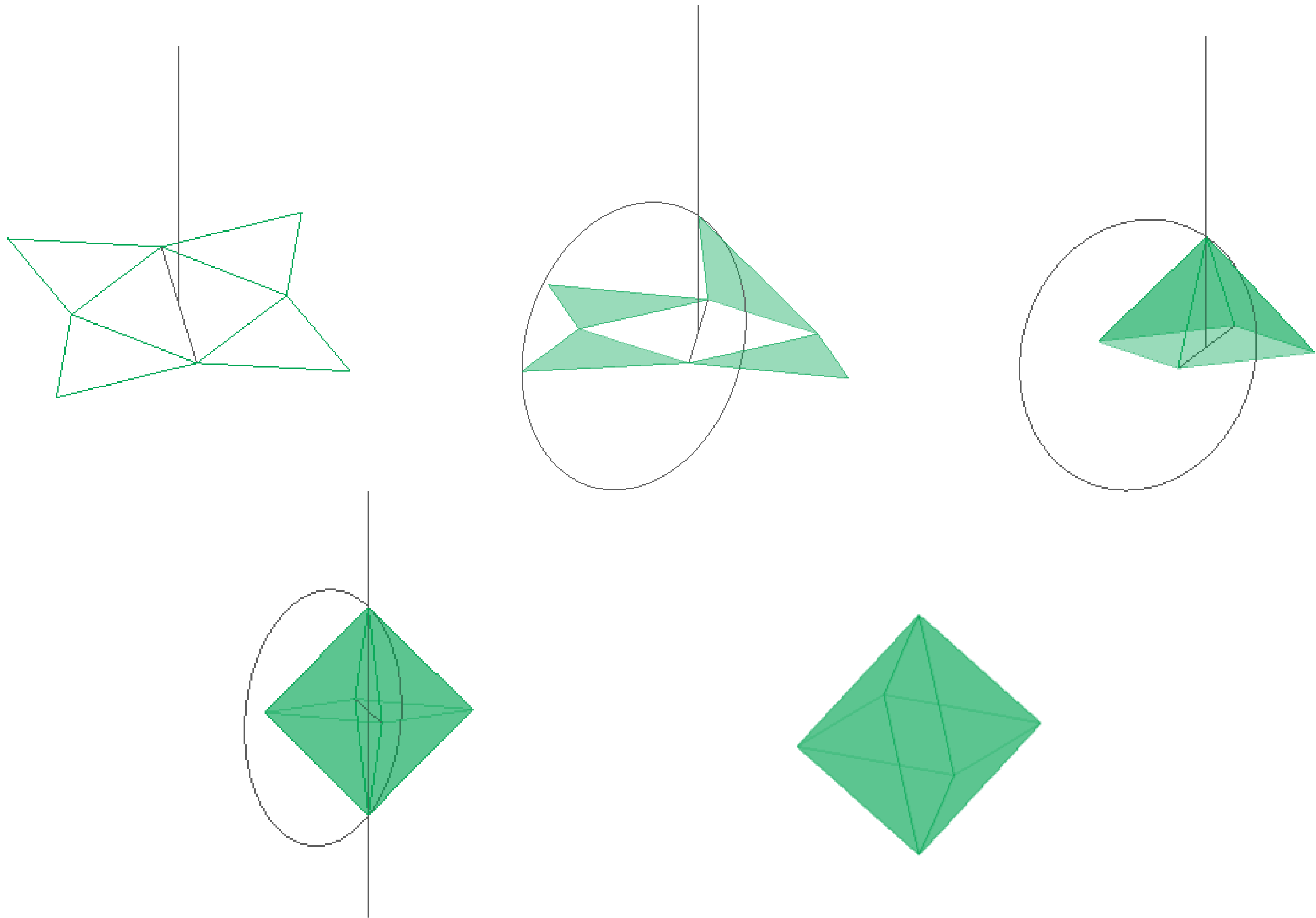
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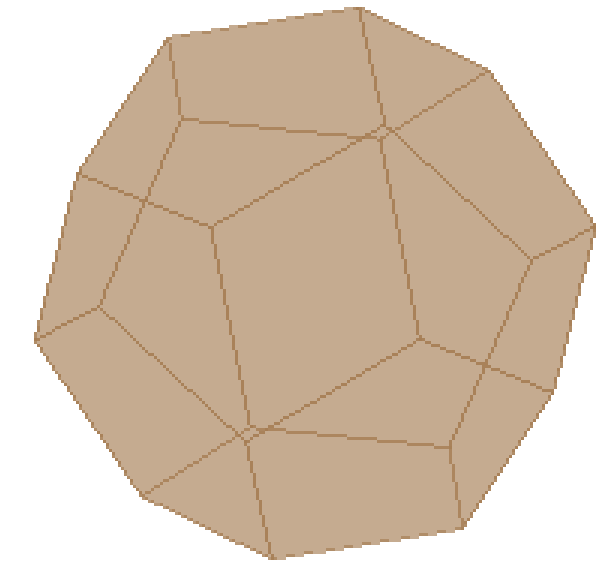
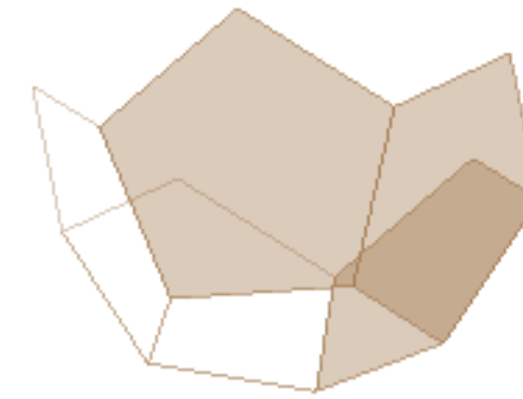
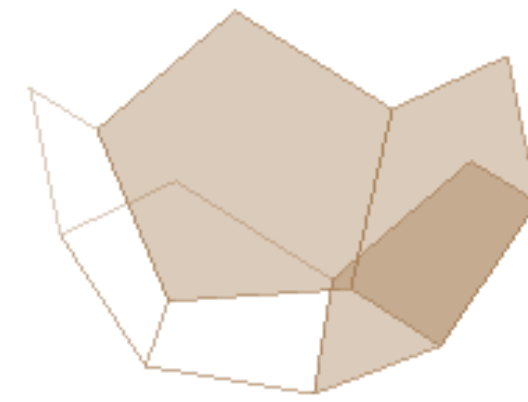
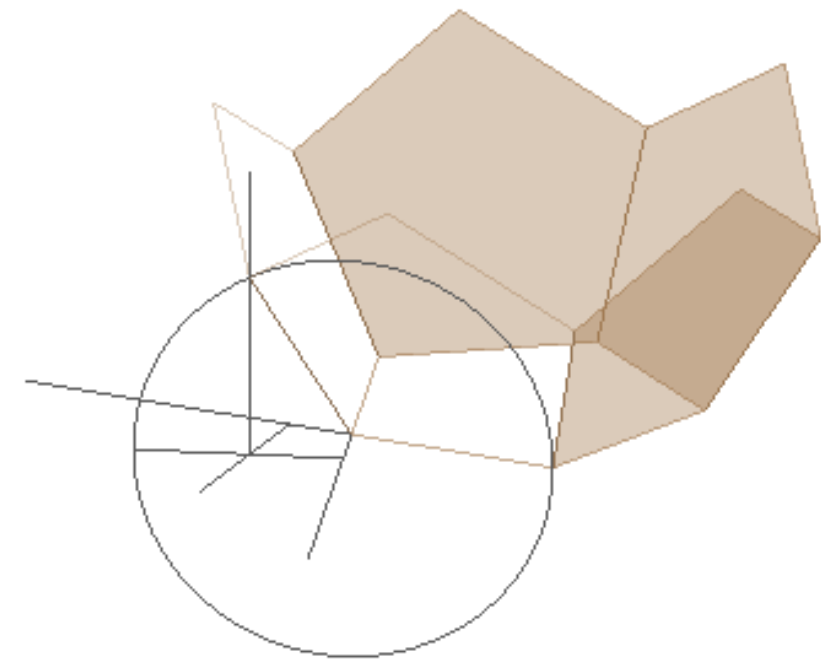
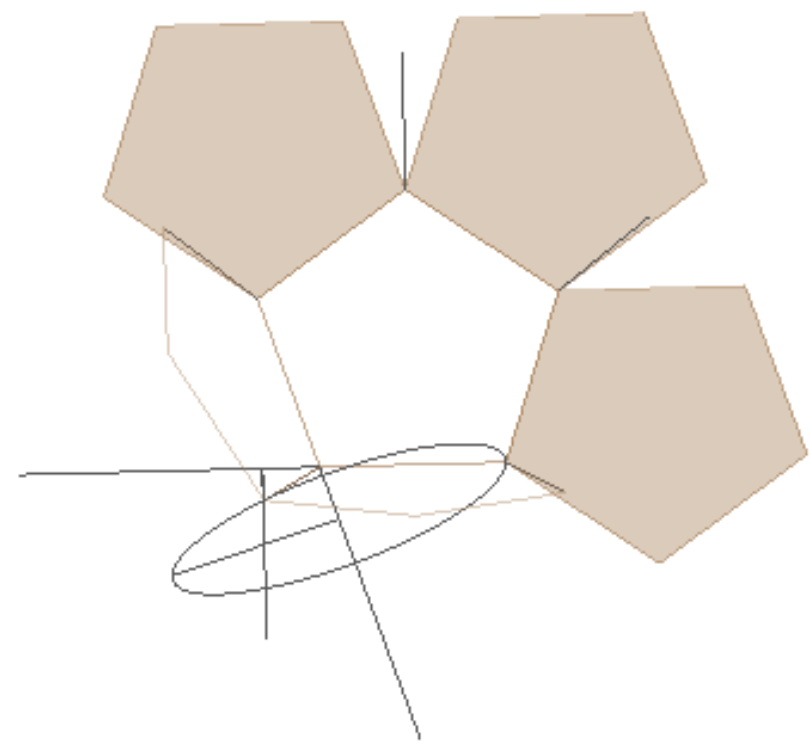
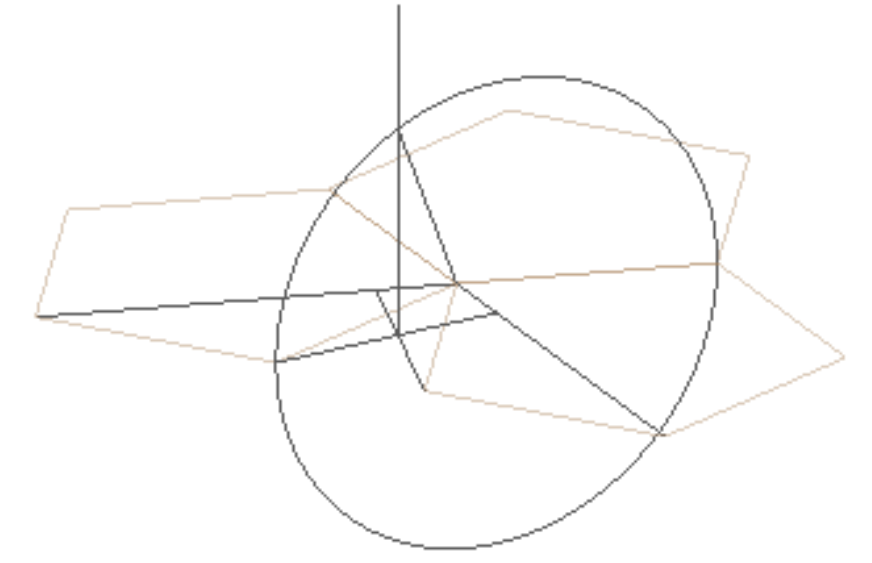
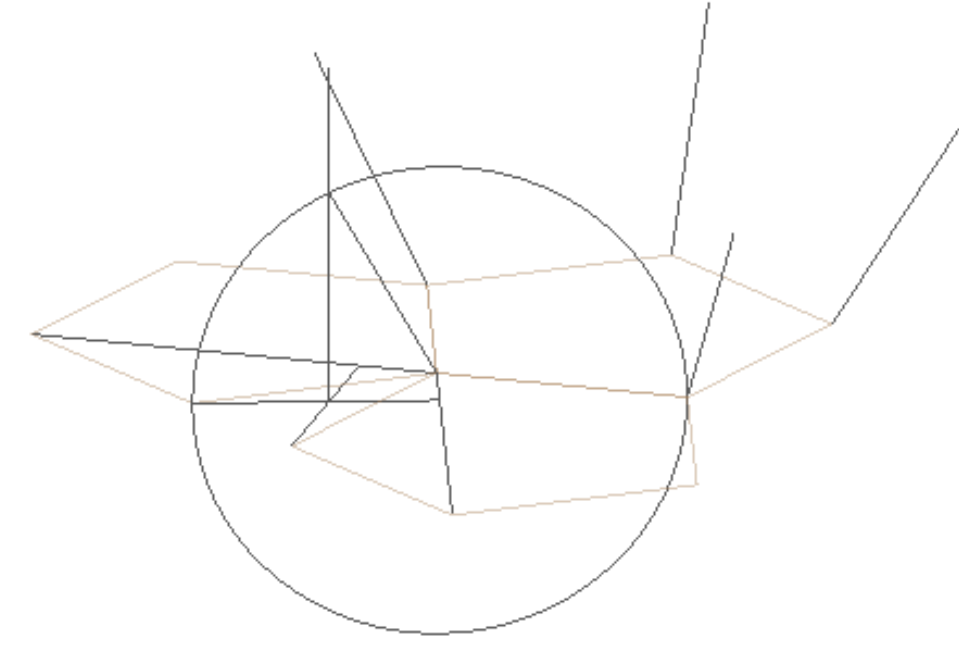
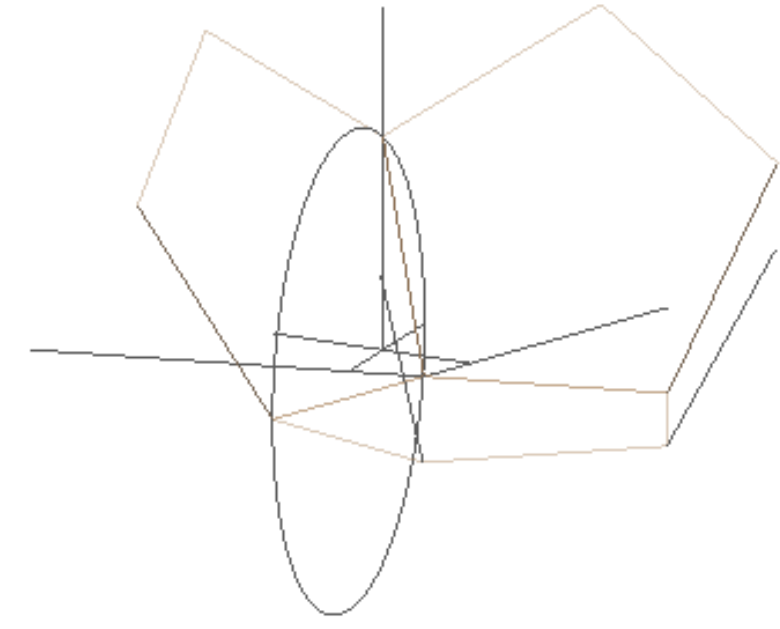
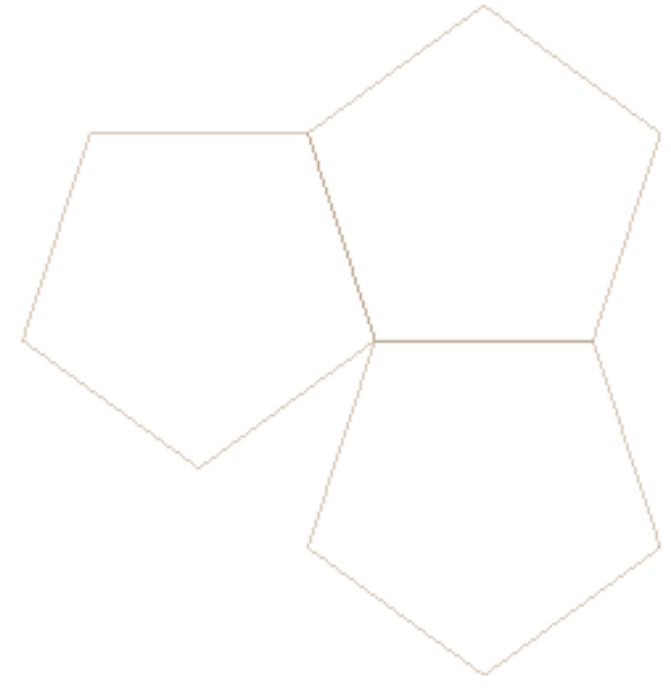
Exerc. 2.2 - Tetraedro



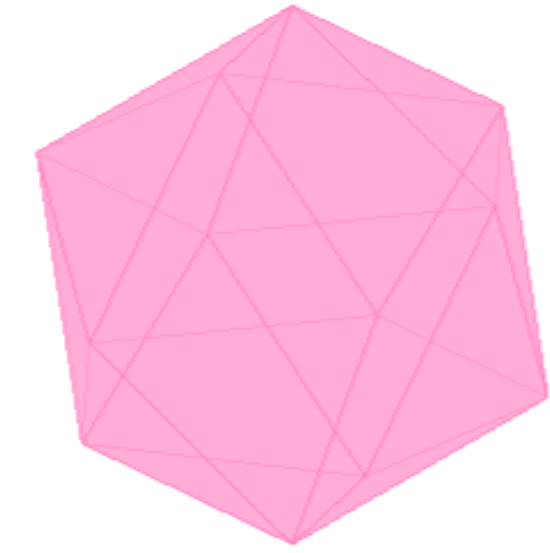
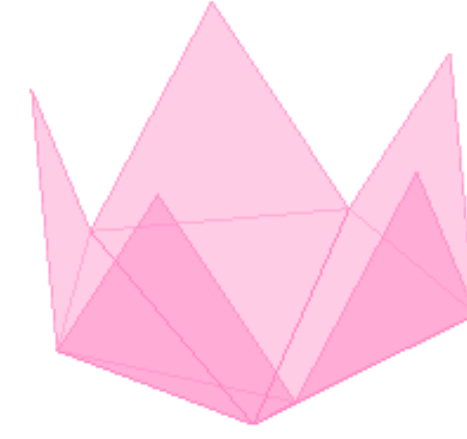
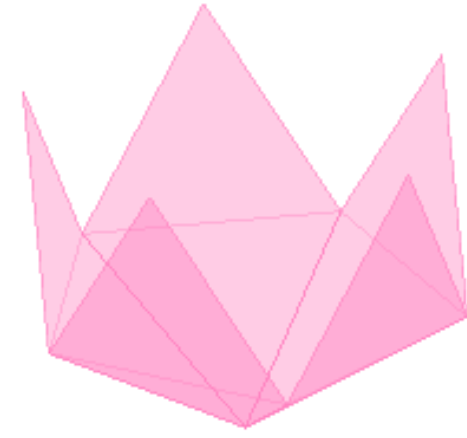
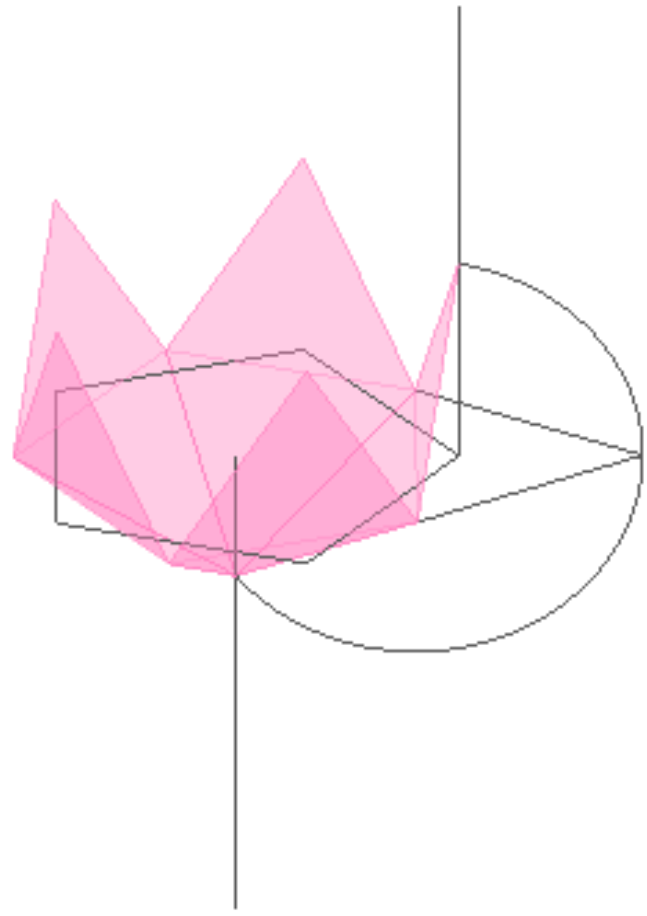
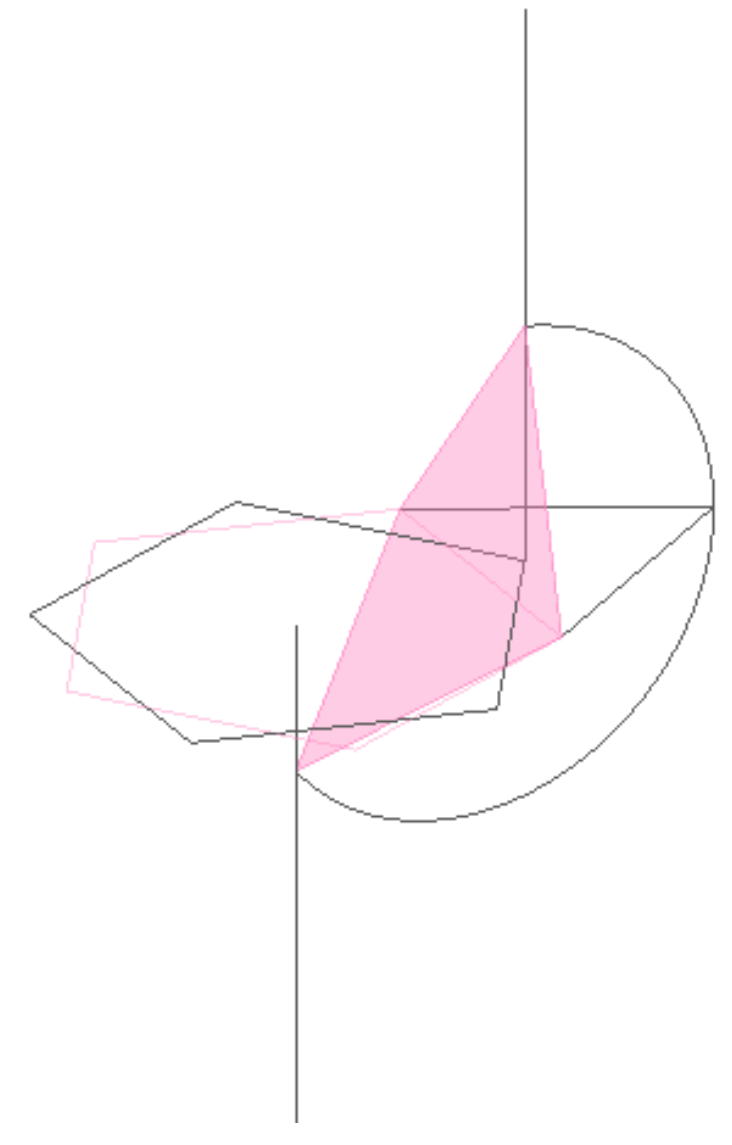
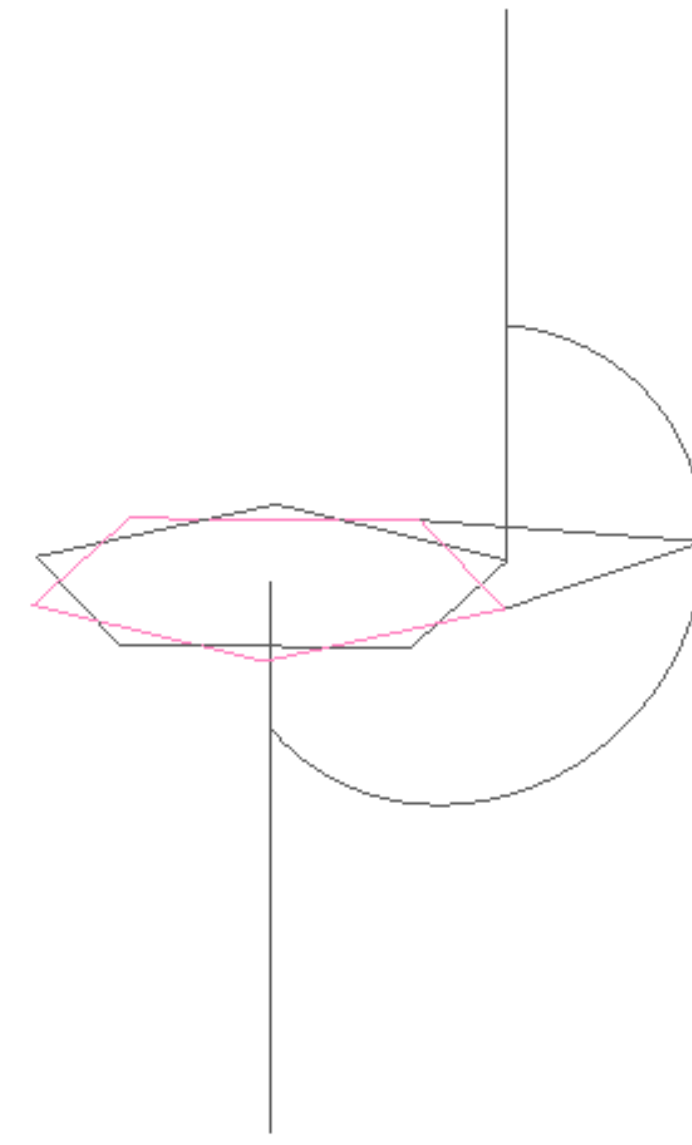
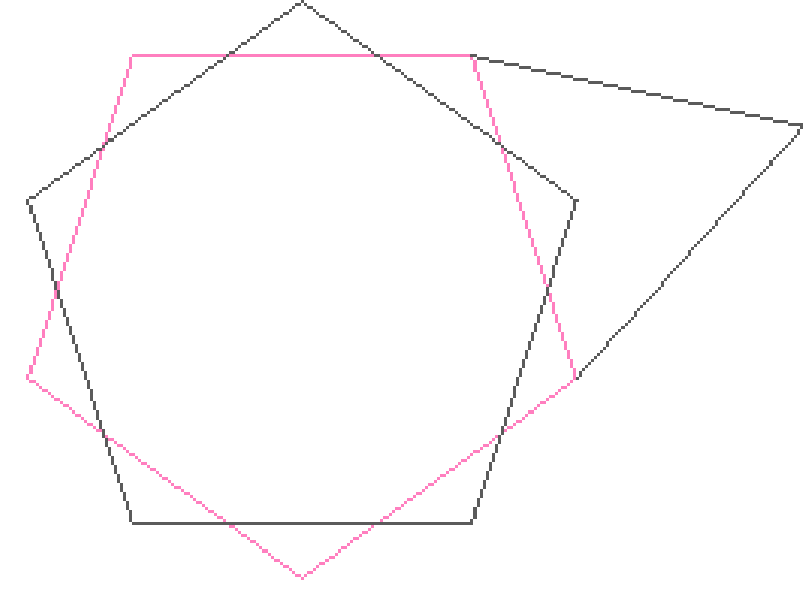
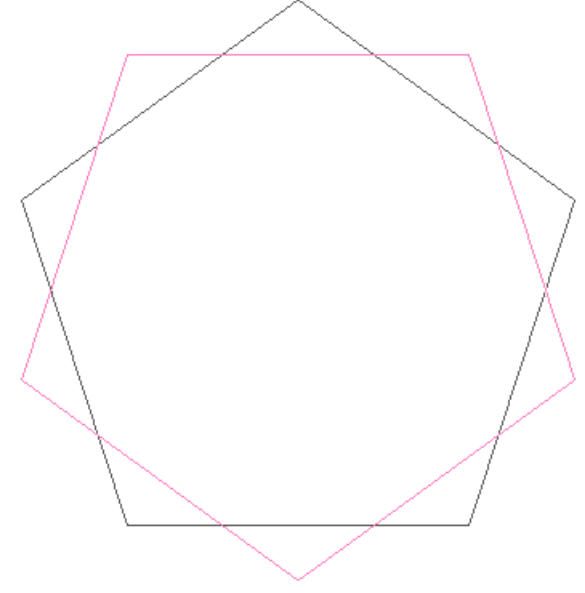
Exerc. 2.3 - Hexaedros



Exerc. 2.4 - Octaedro

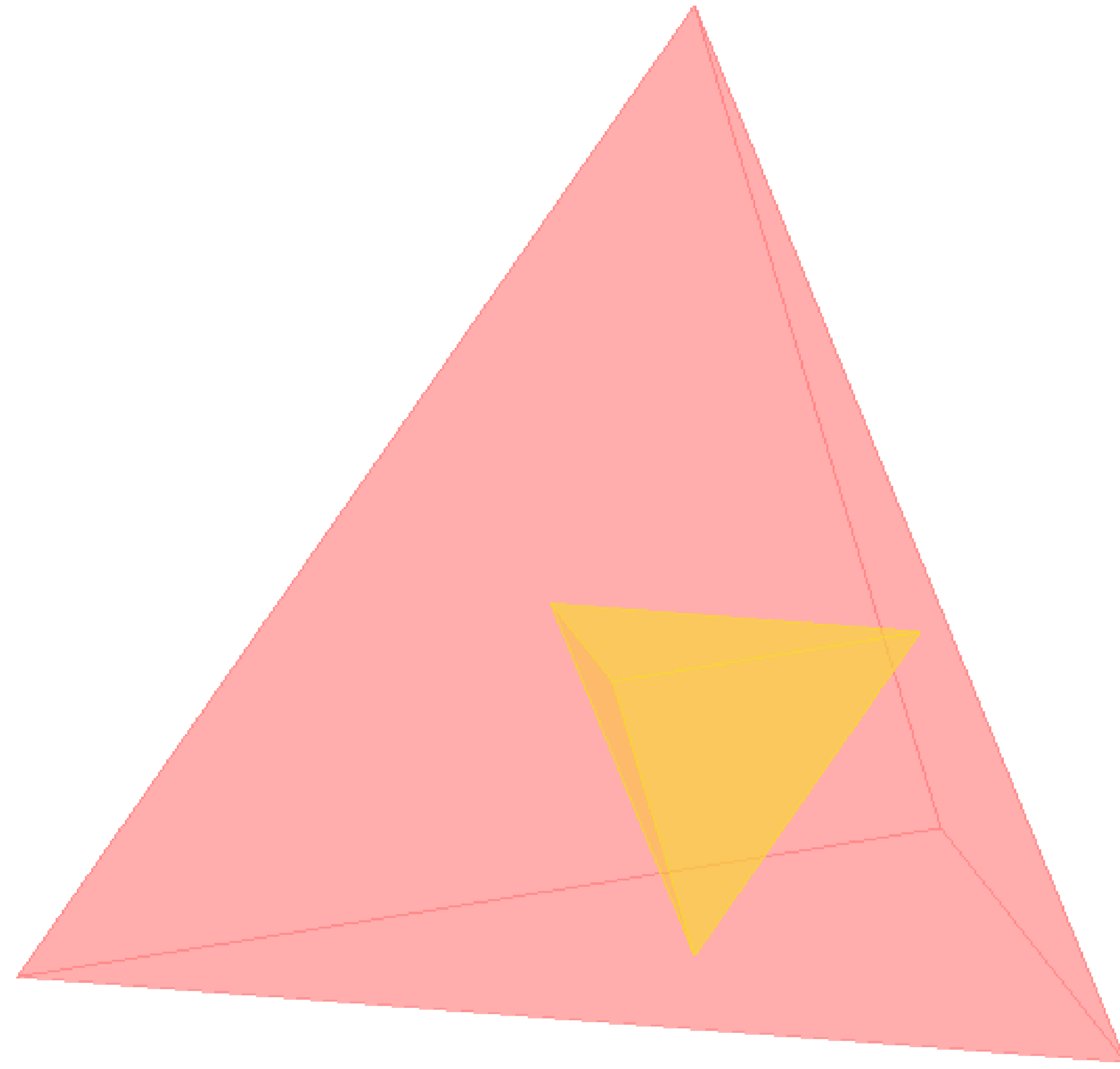


Exerc. 2.5 - Dodecaedro

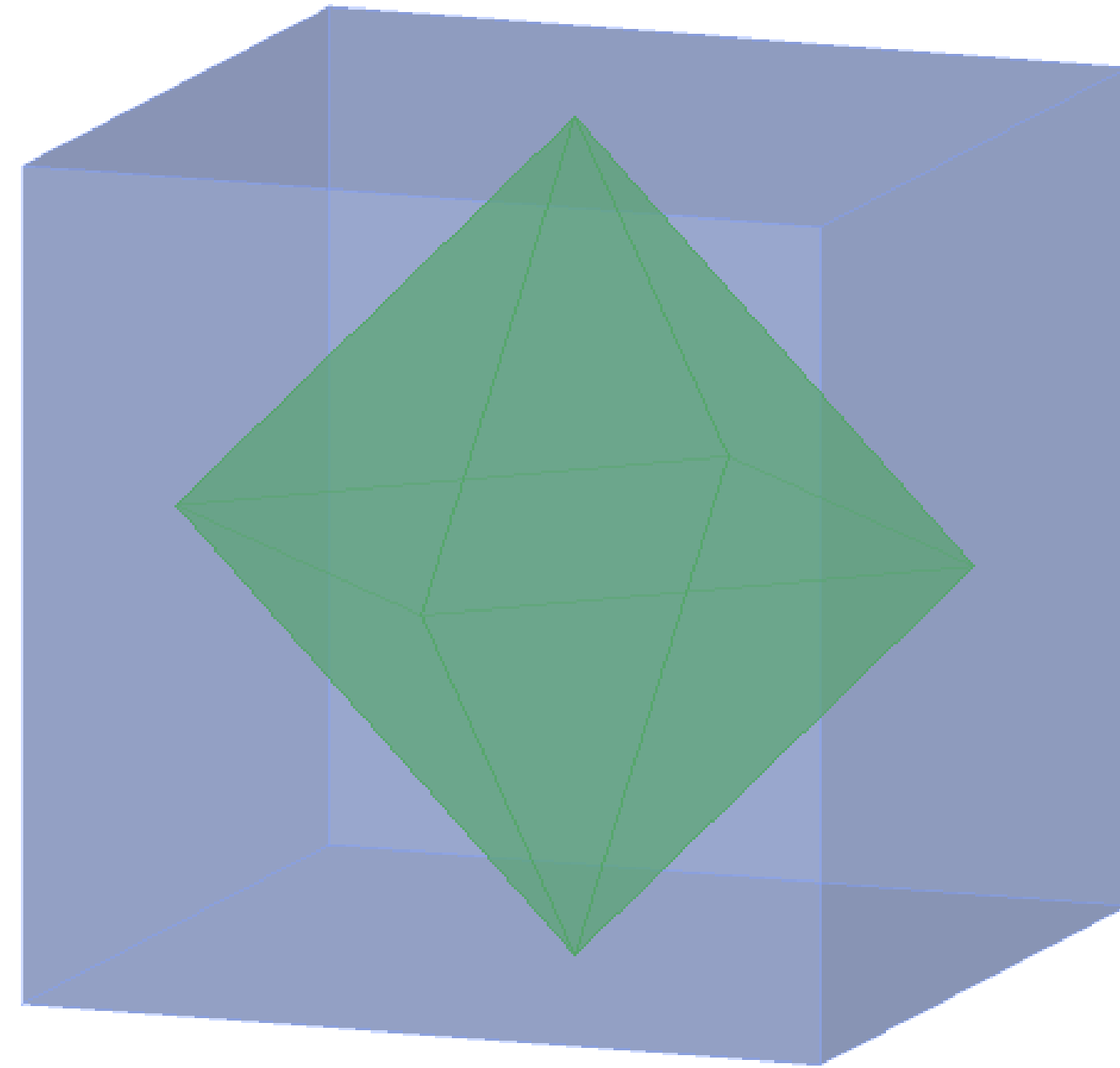
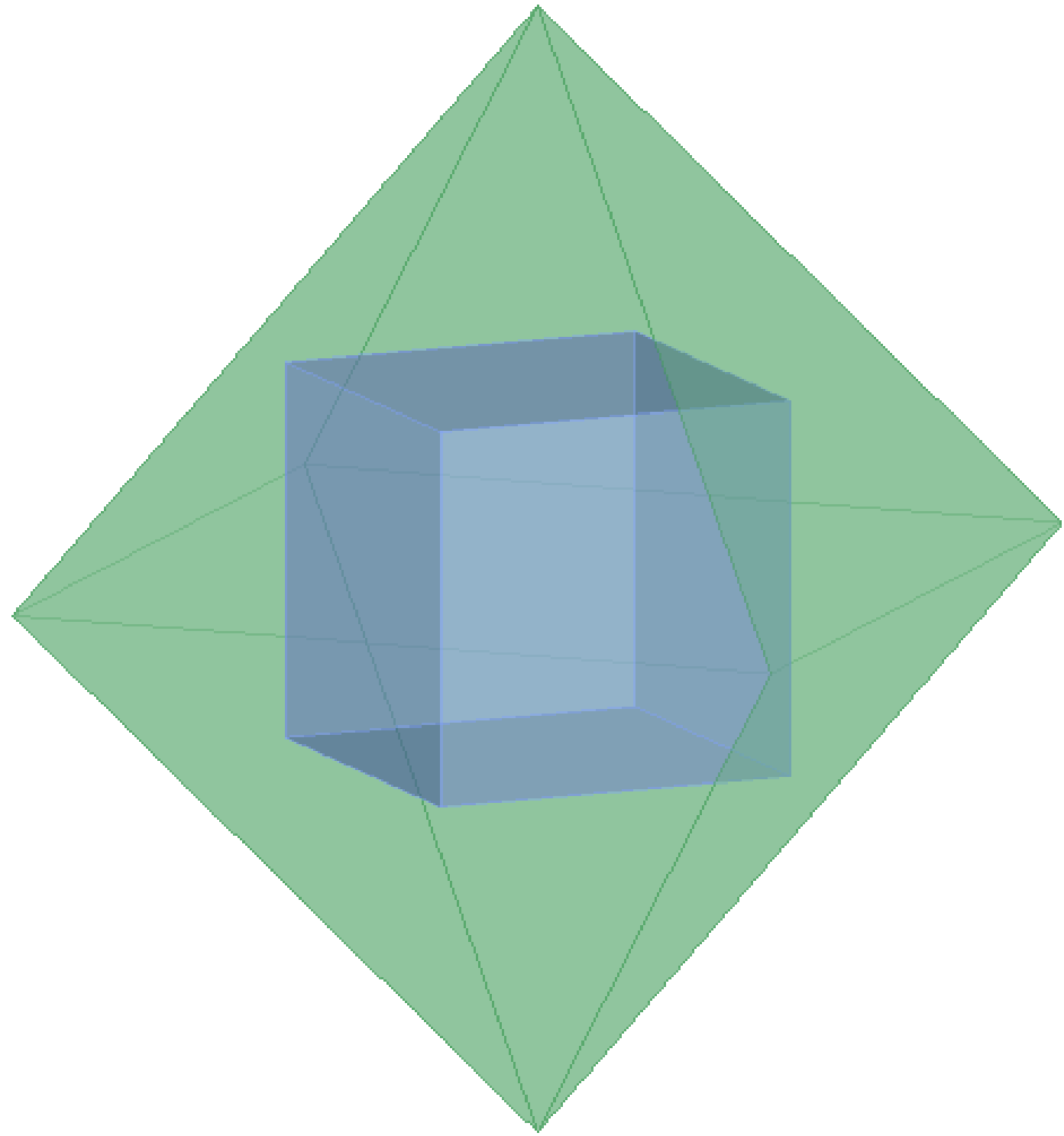


Exerc. 2.6 - Icosaedro

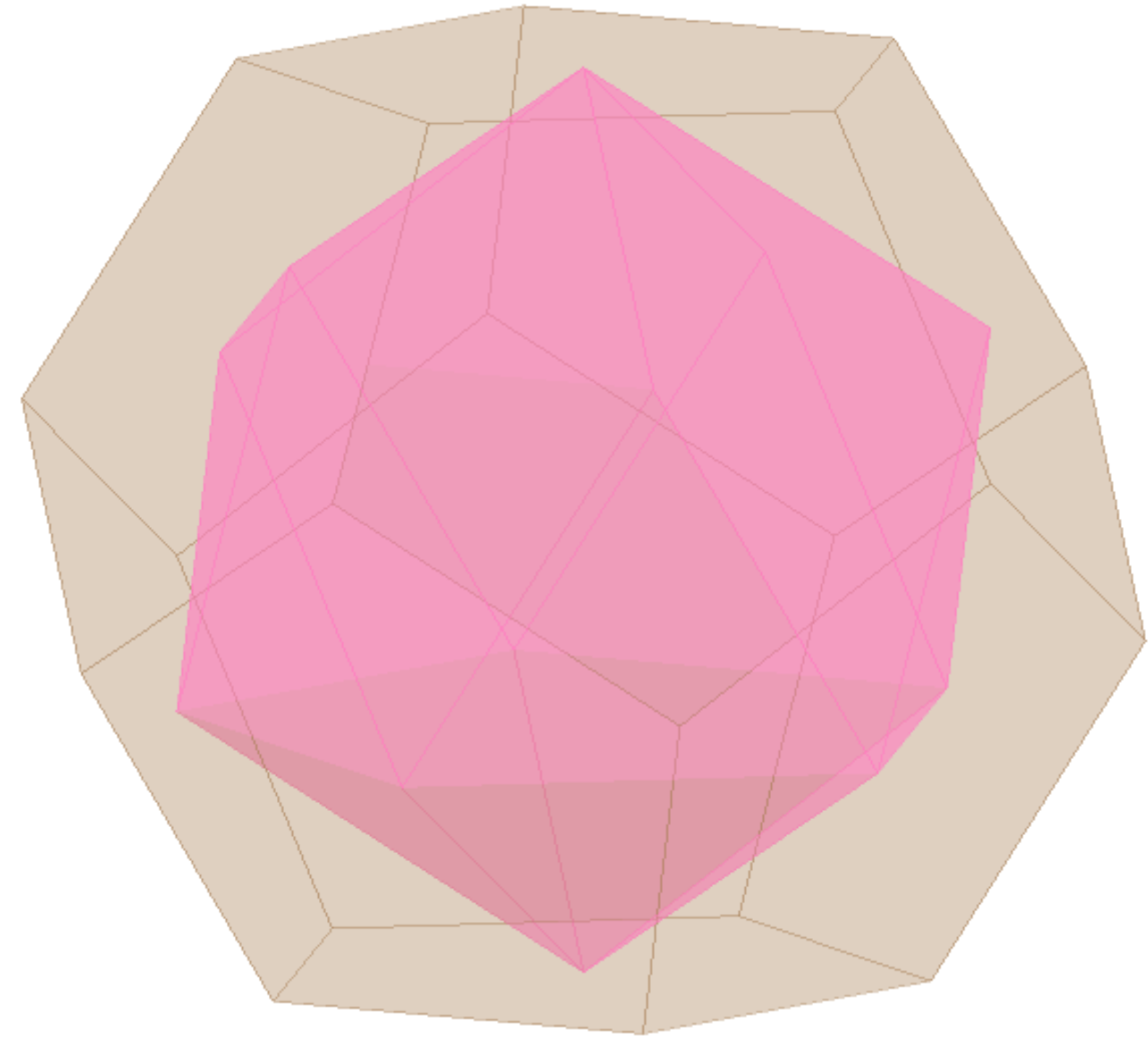
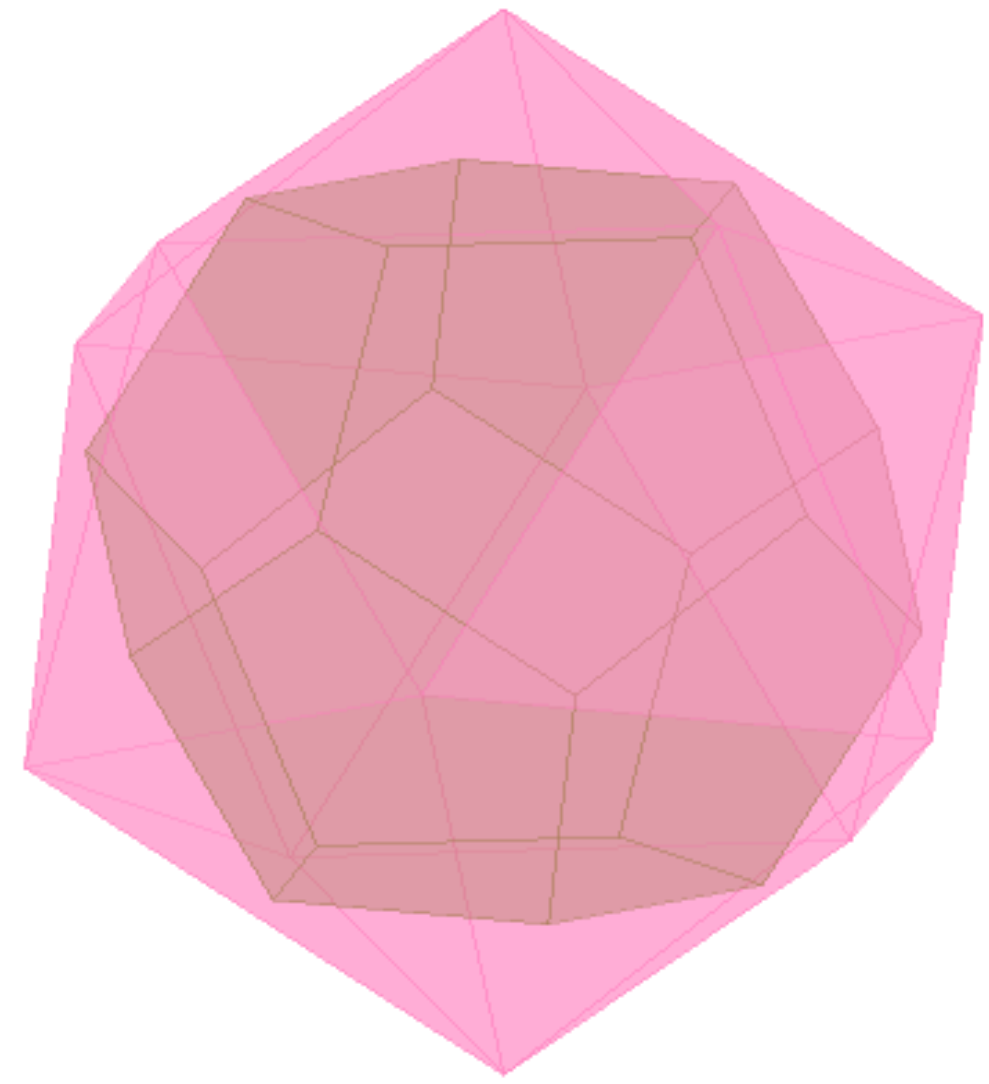
Entrega 2



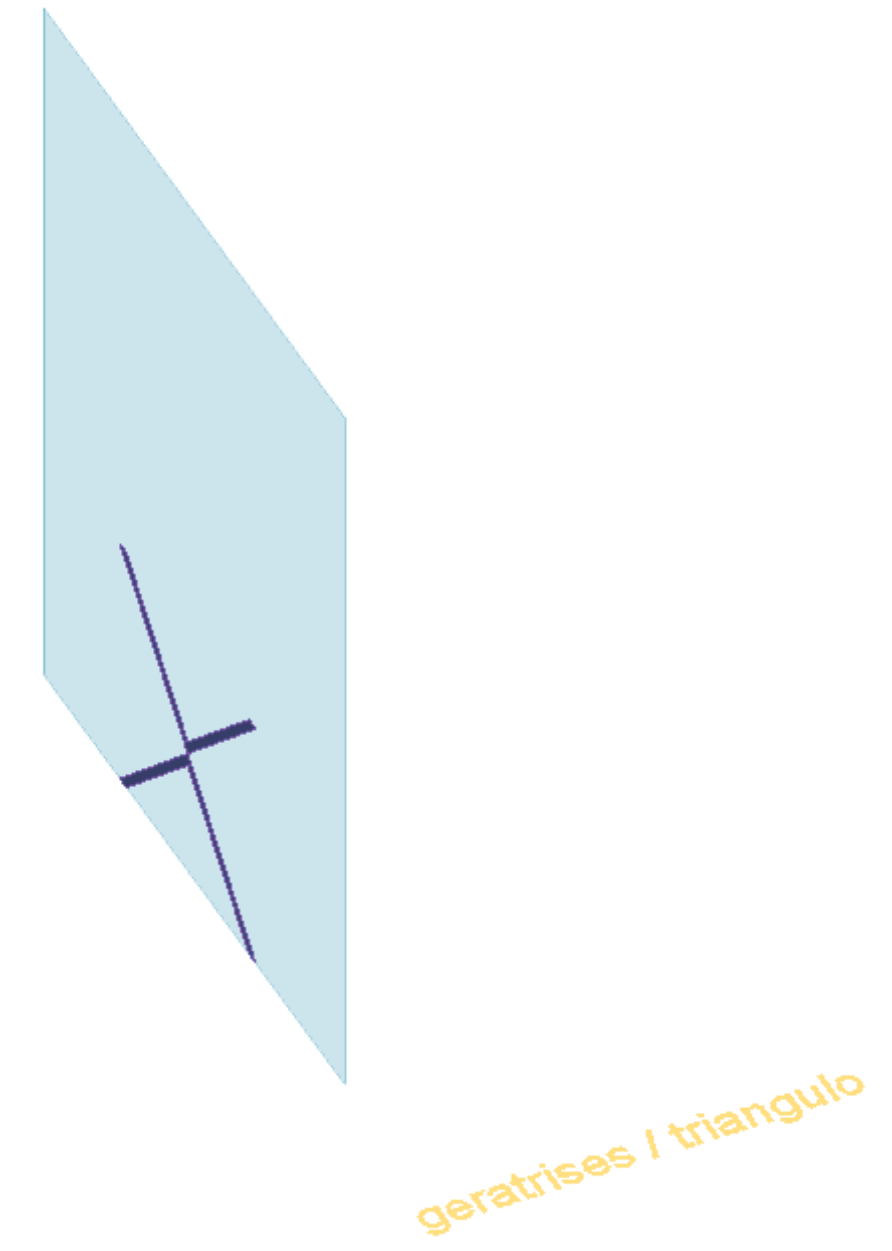
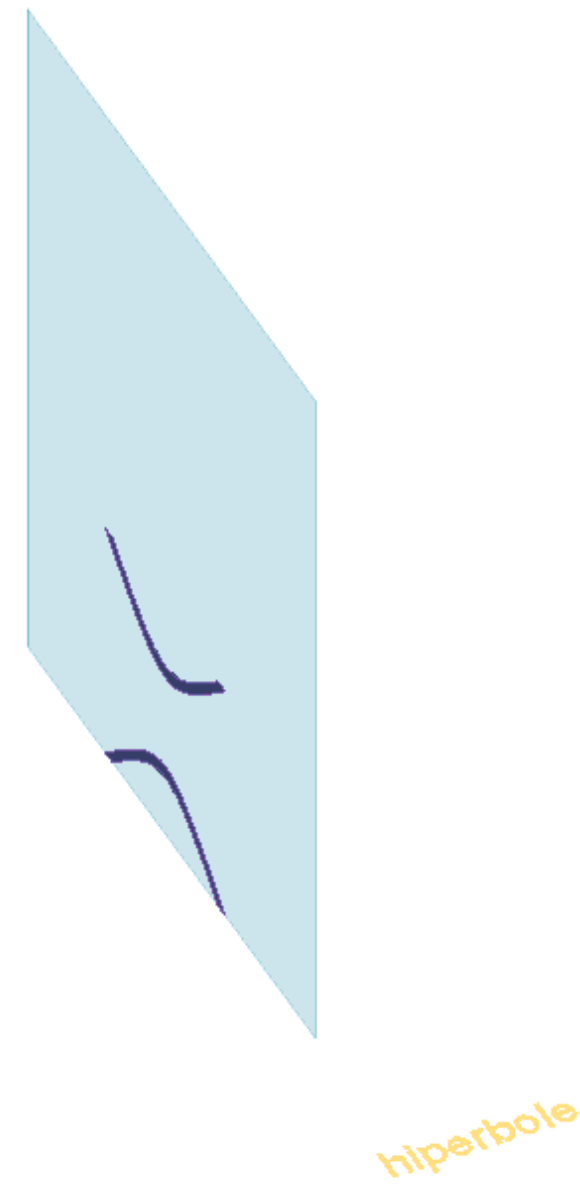
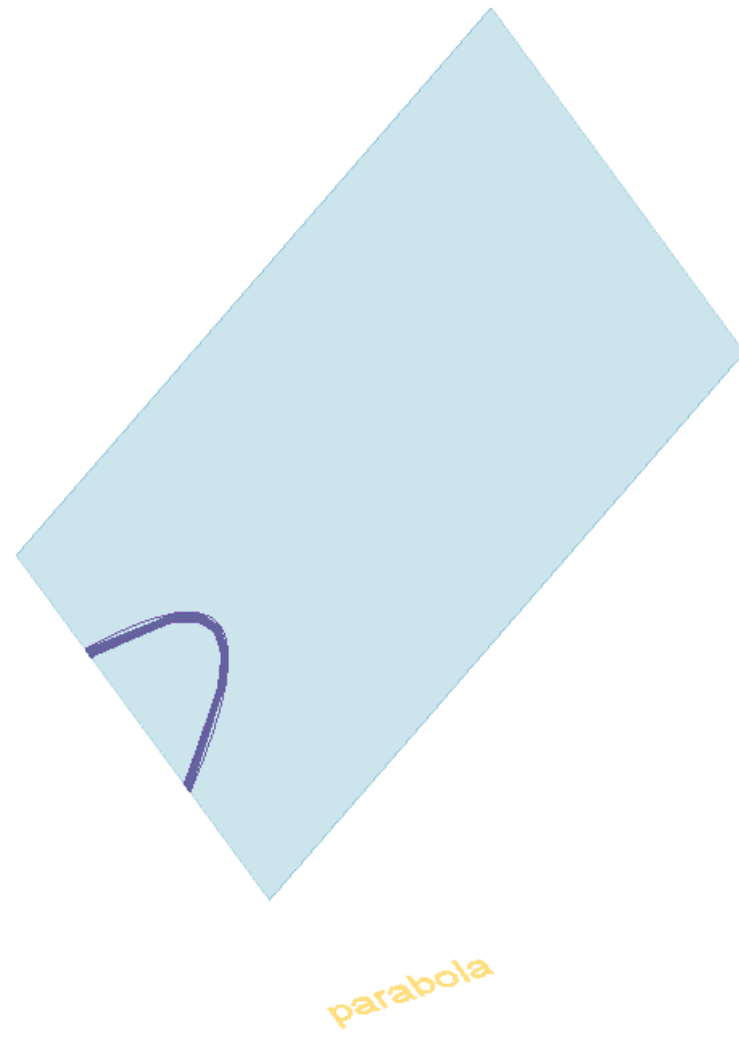
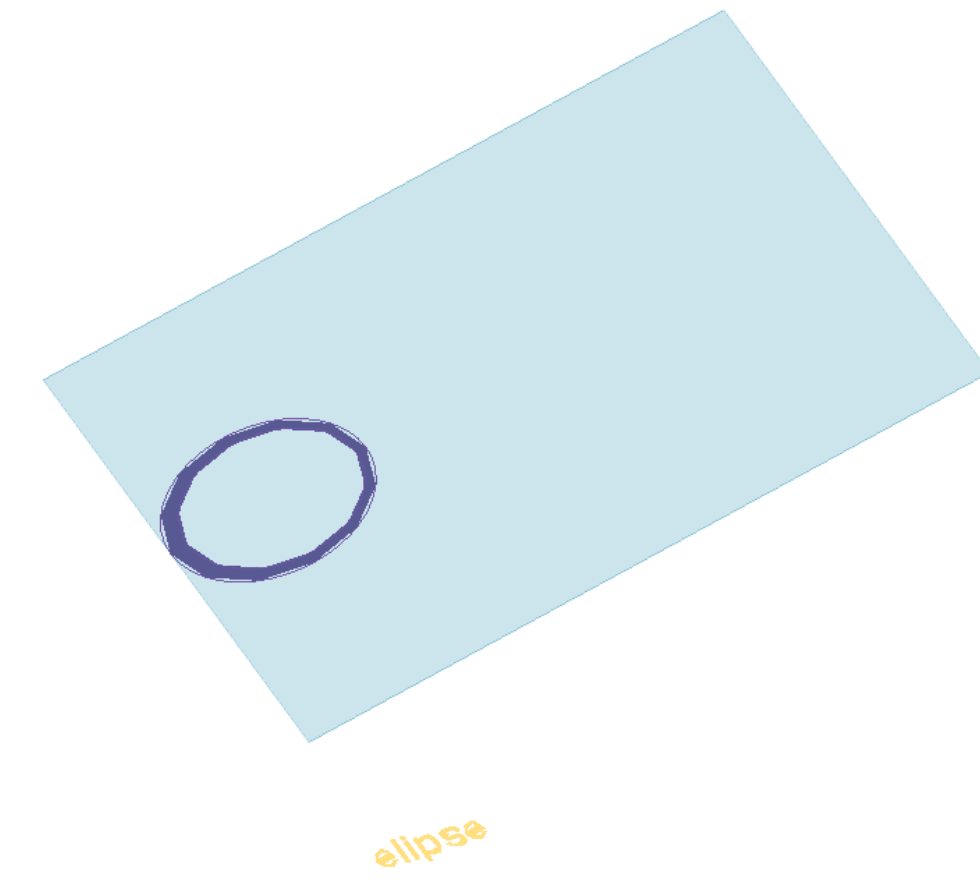
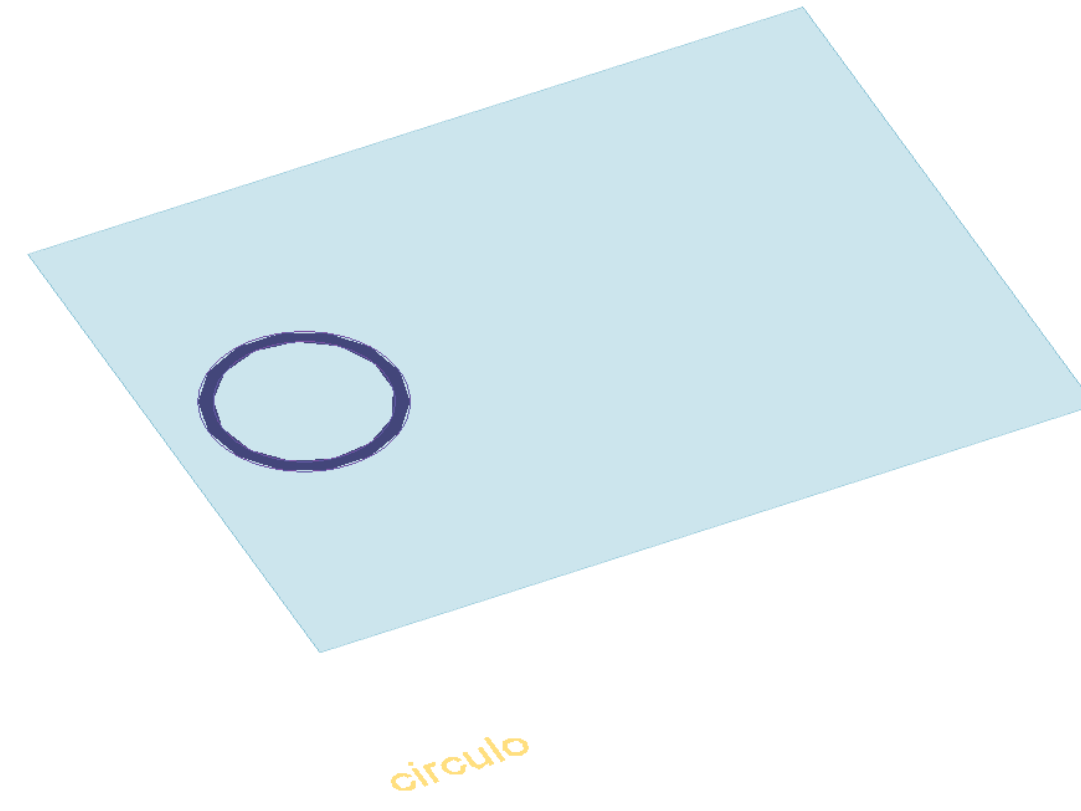
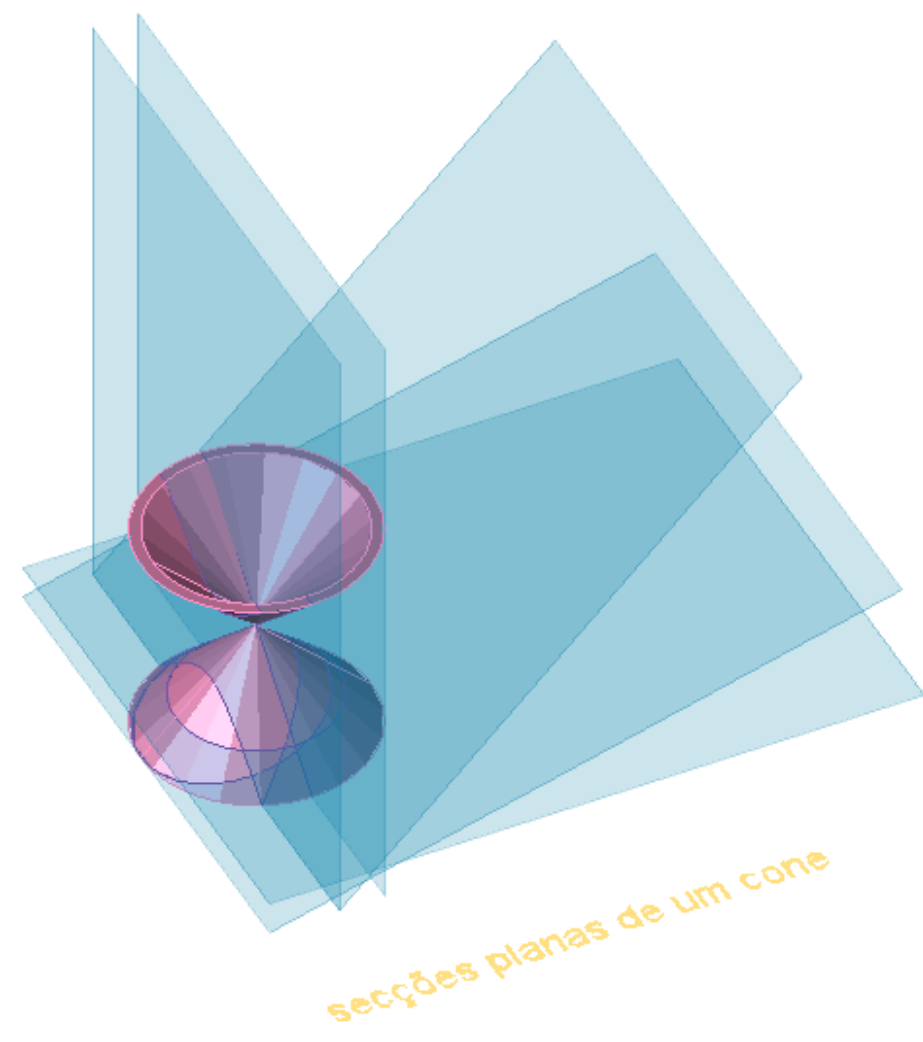
Exerc. 3.1 - Auto-dual



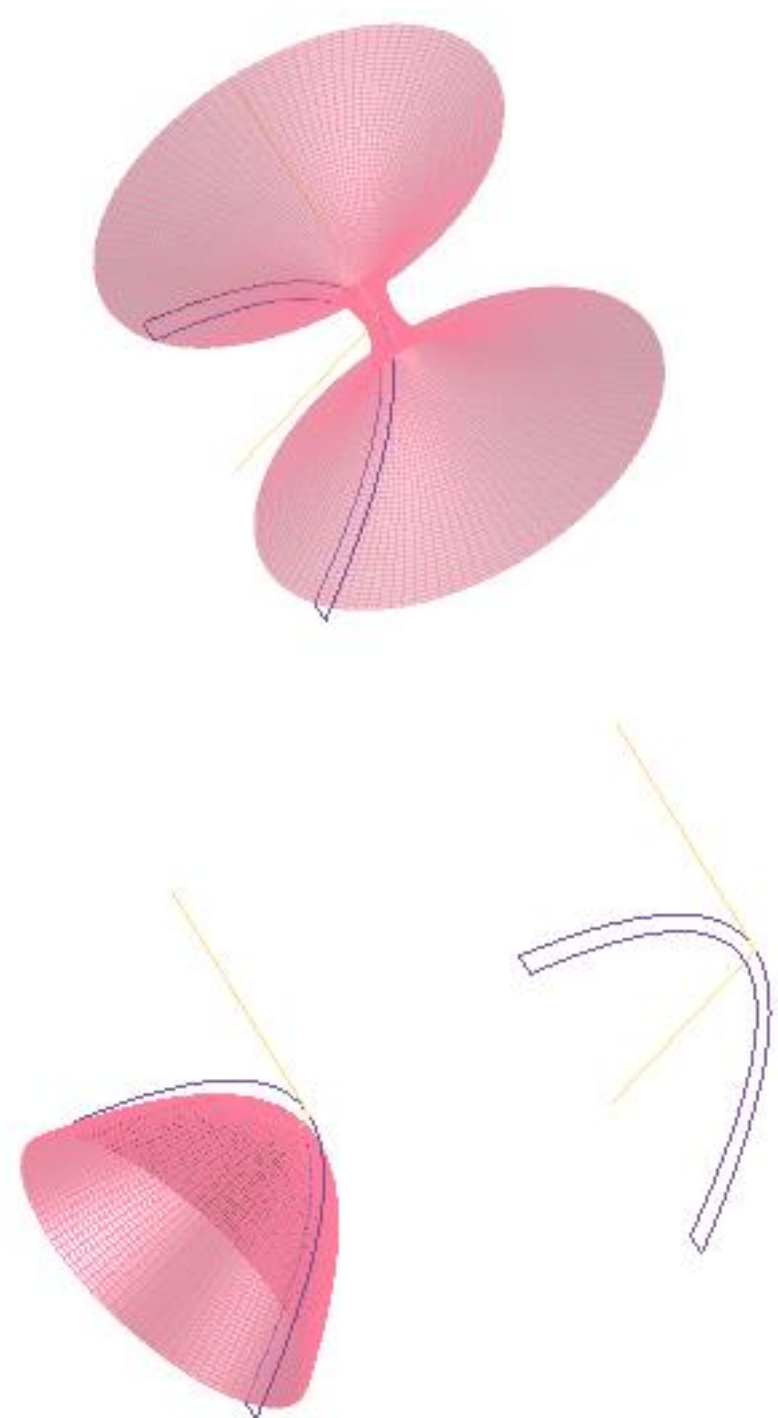
Exerc. 3.2 - Inter-duais (hexaedro e octaedro)



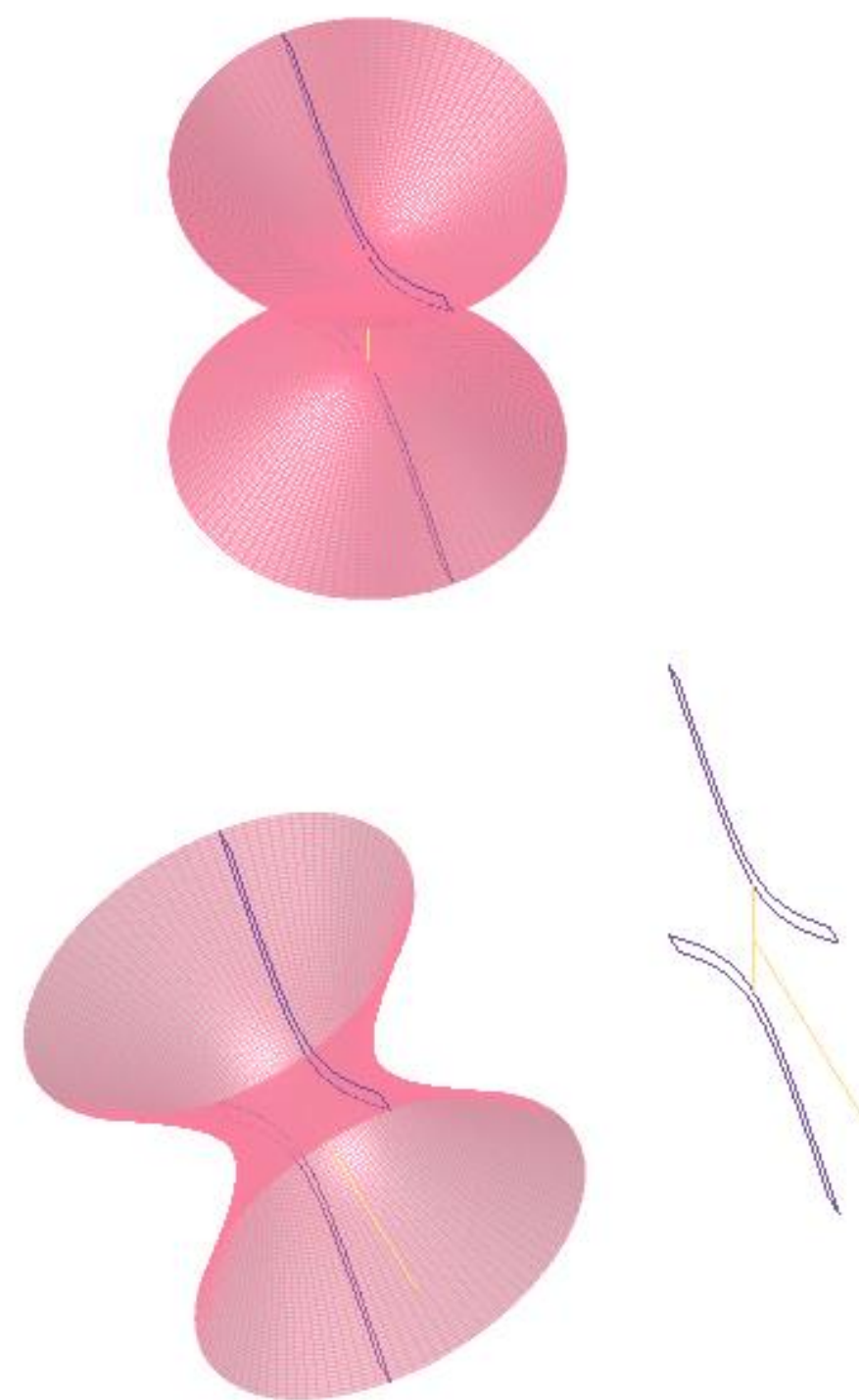
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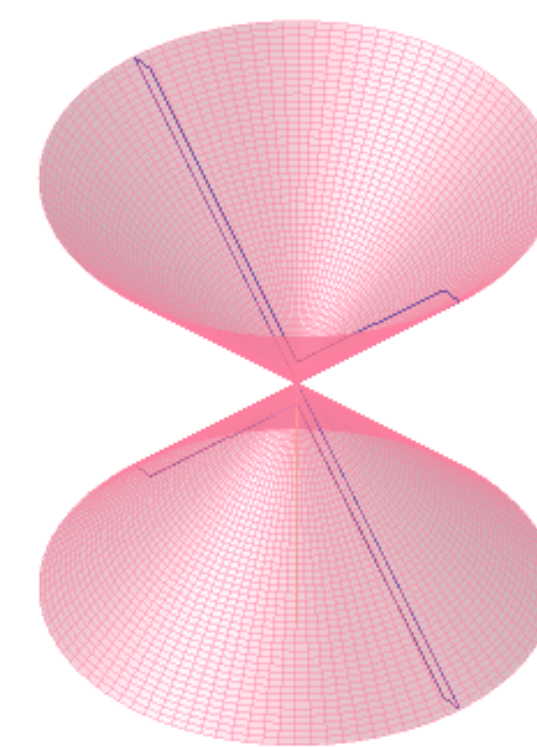
Exerc. 4 - Intersecções



parábola



hipérbole

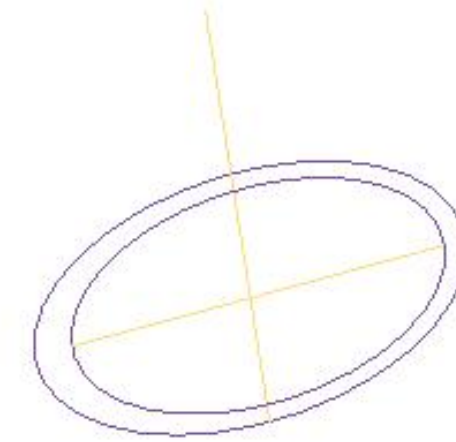


geratrizes / triângulo

Exerc. 4 - Intersecções



circulo



elipse

Exerc. 4 - Intersecções

Entrega 3

```
(Defun c:Xad ())
```

```
(command "box" "0,0,0" "10,10,10")
```

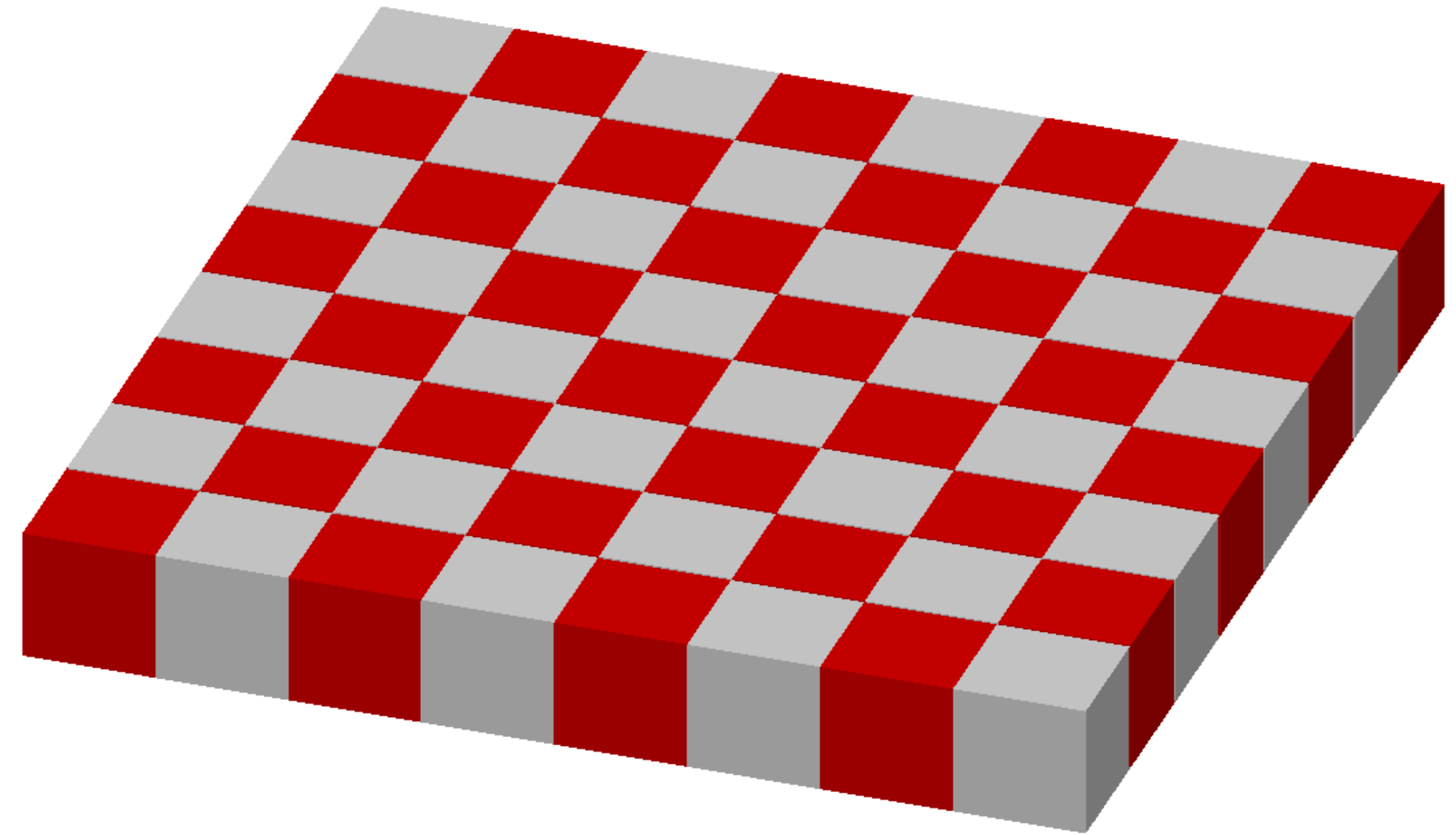
```
(command "copy" "last" "" "0,0" "10,10")
```

```
(command "mirror" "all" "10,0" "10,10" "")
```

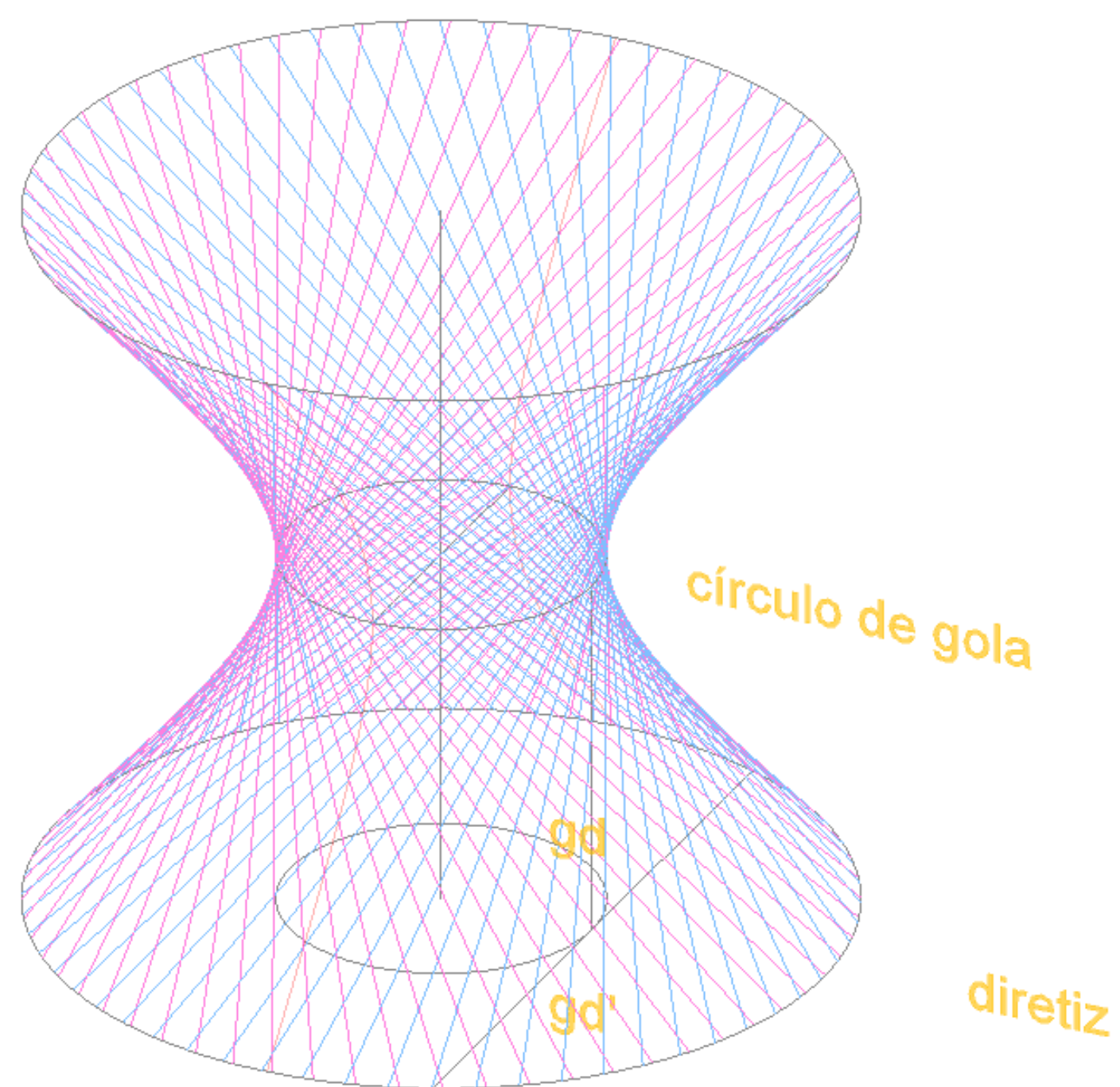
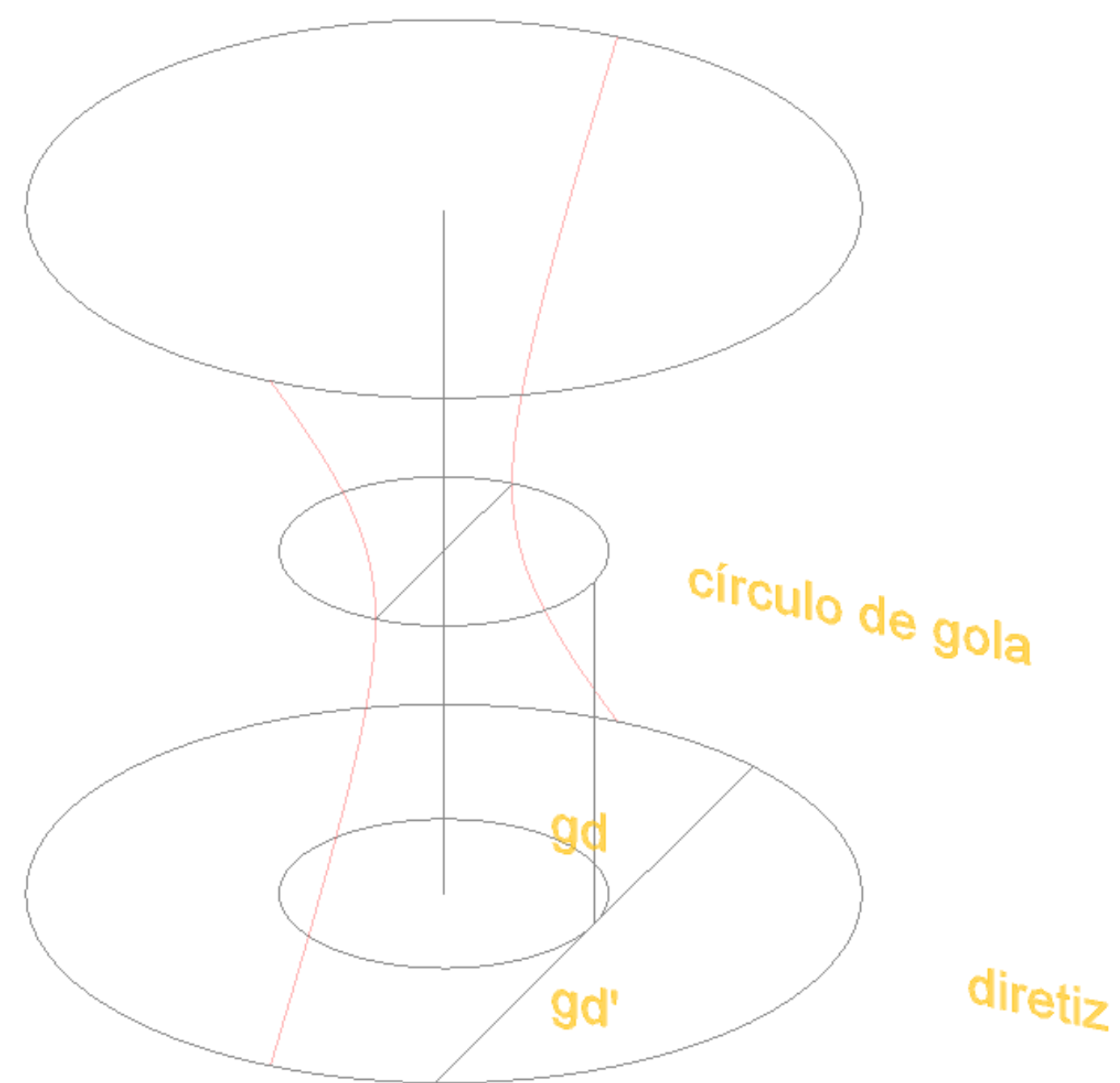
```
(command "chprop" "previous" "last" "" "c" "1" "")
```

```
(command "array" "all" "" "R" "4" "4" "20" "20" "")
```

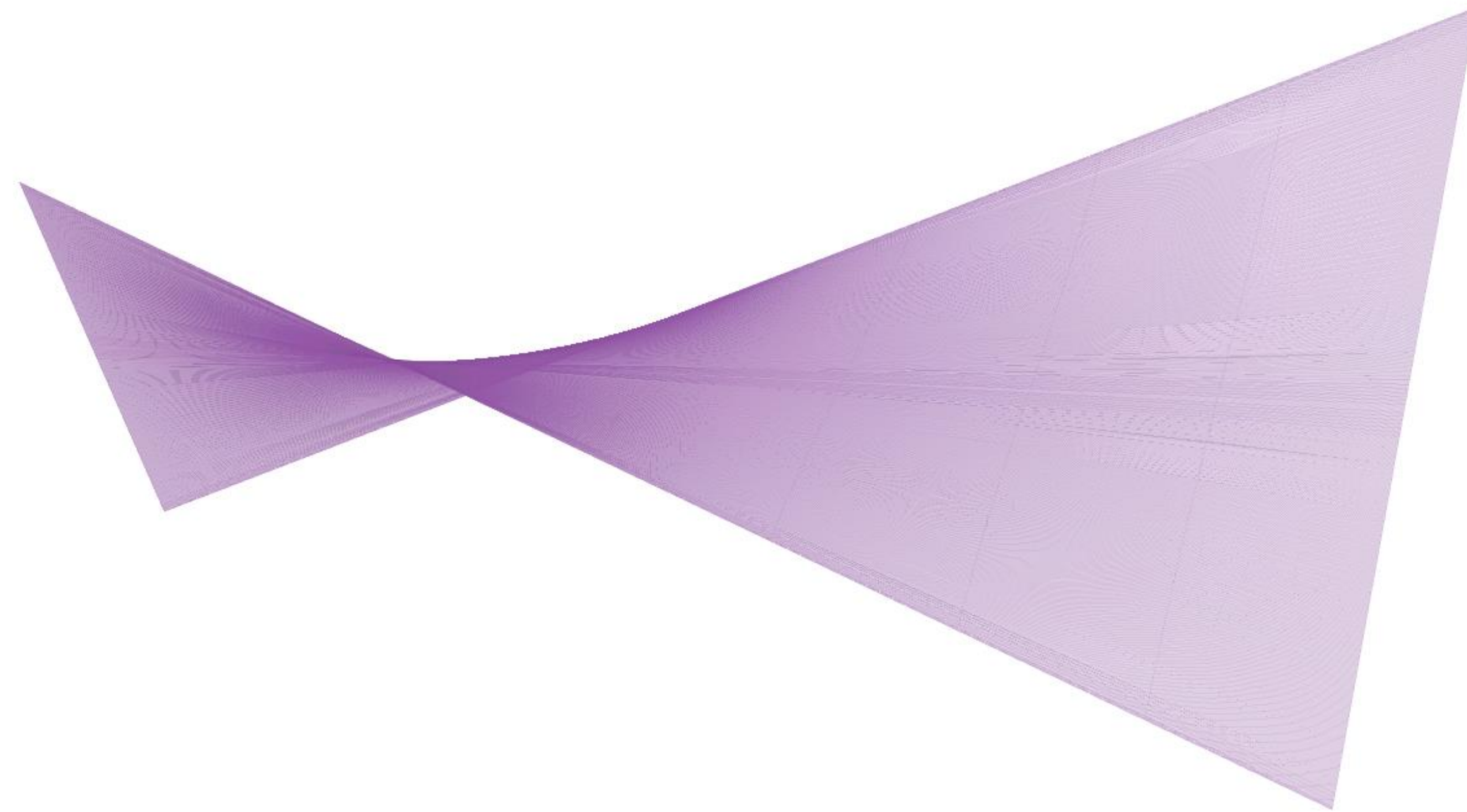
```
)
```



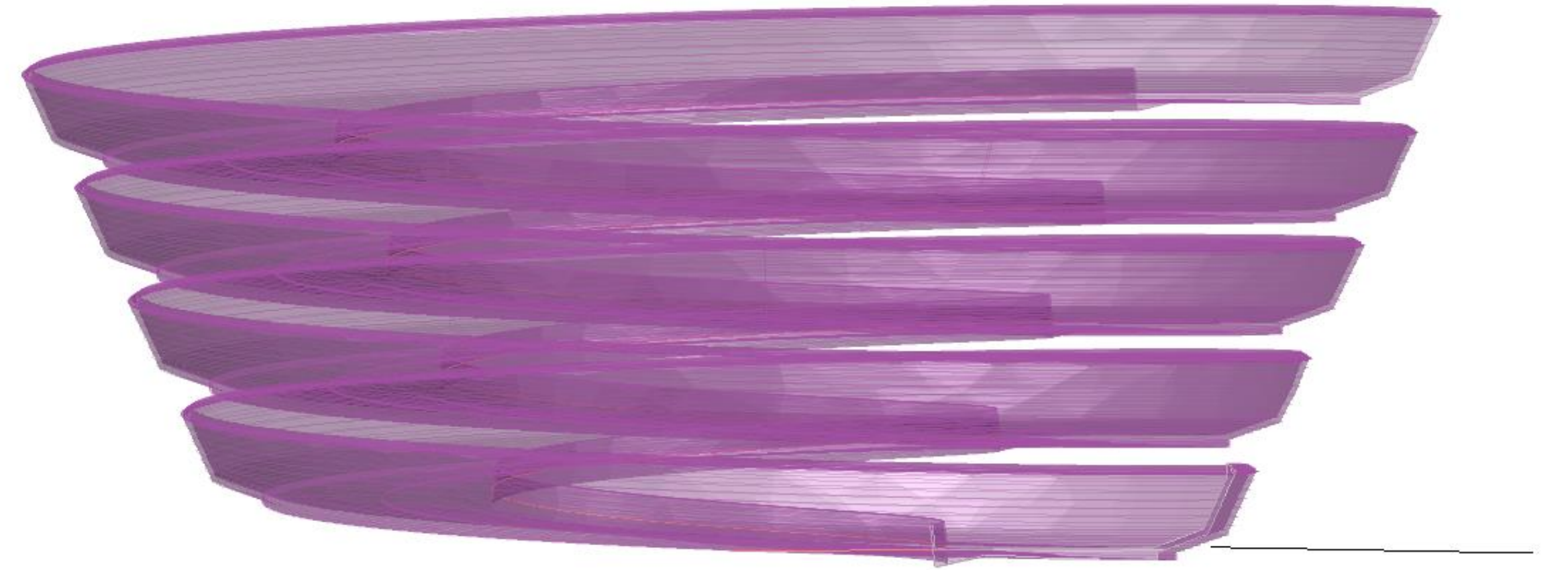
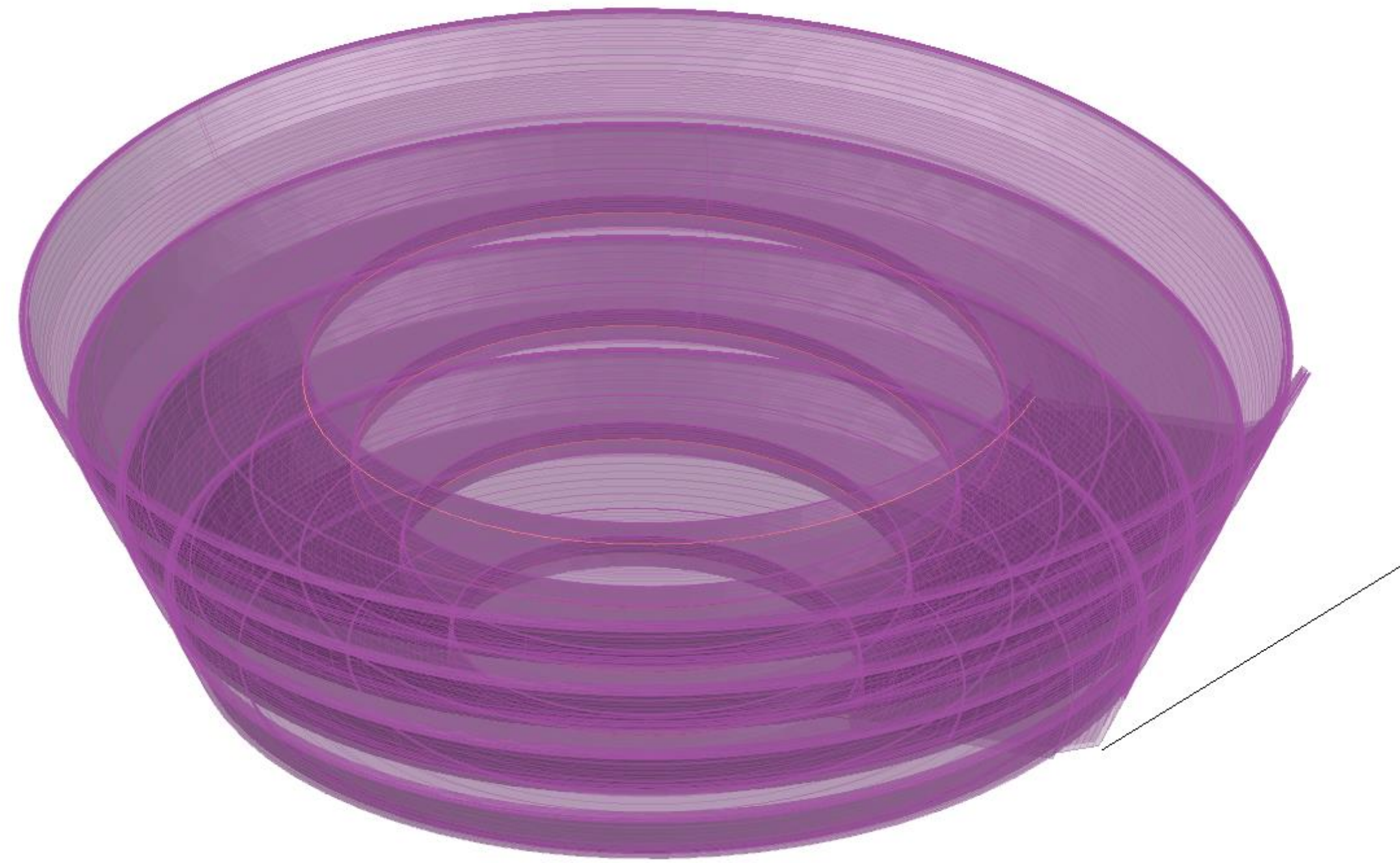
Exerc. 5 - Xadrez



Exerc. 6.1 – Hiperboloide de Revolução

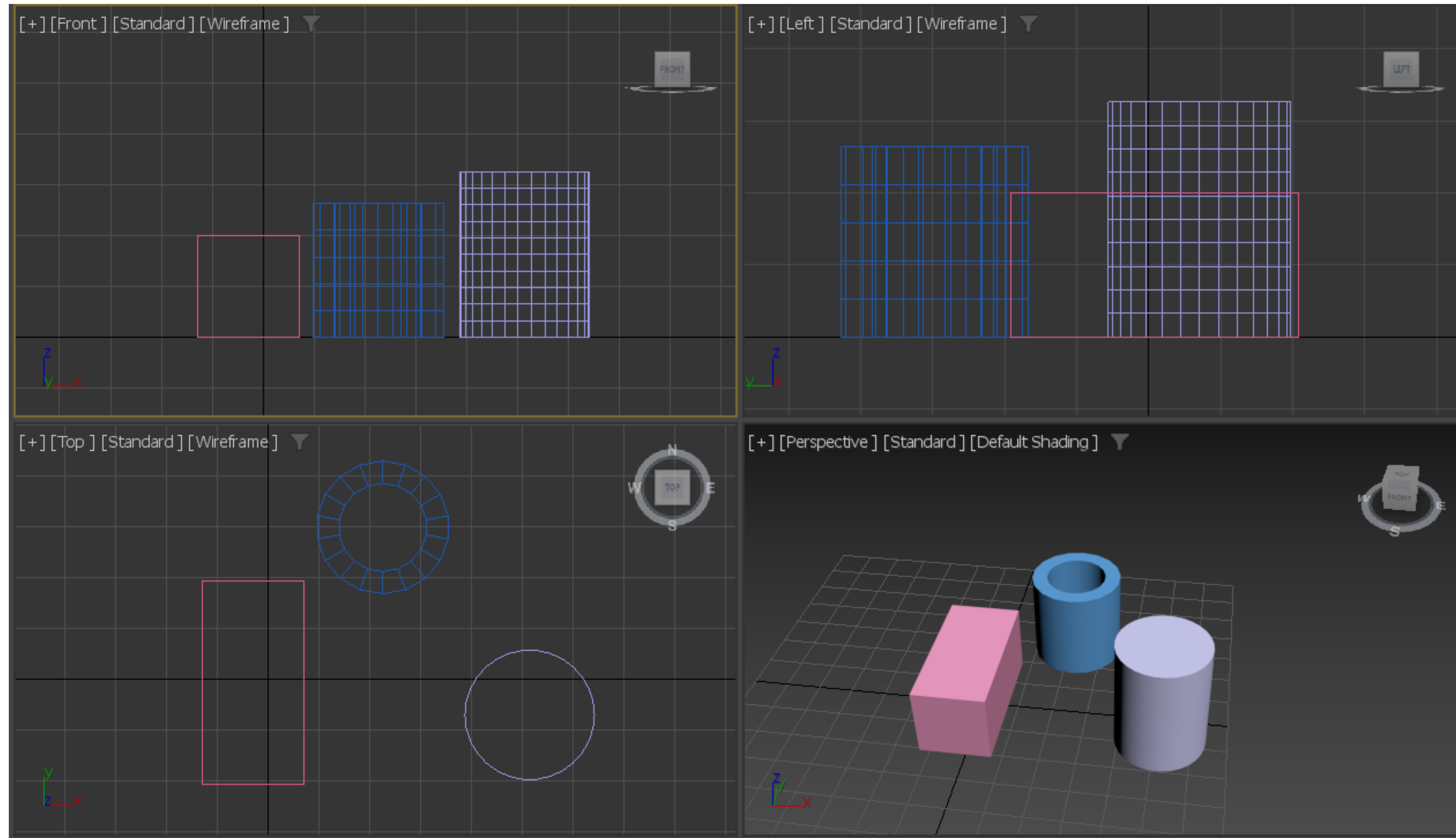


Exerc. 6.2 – Paraboloide Hiperbólico

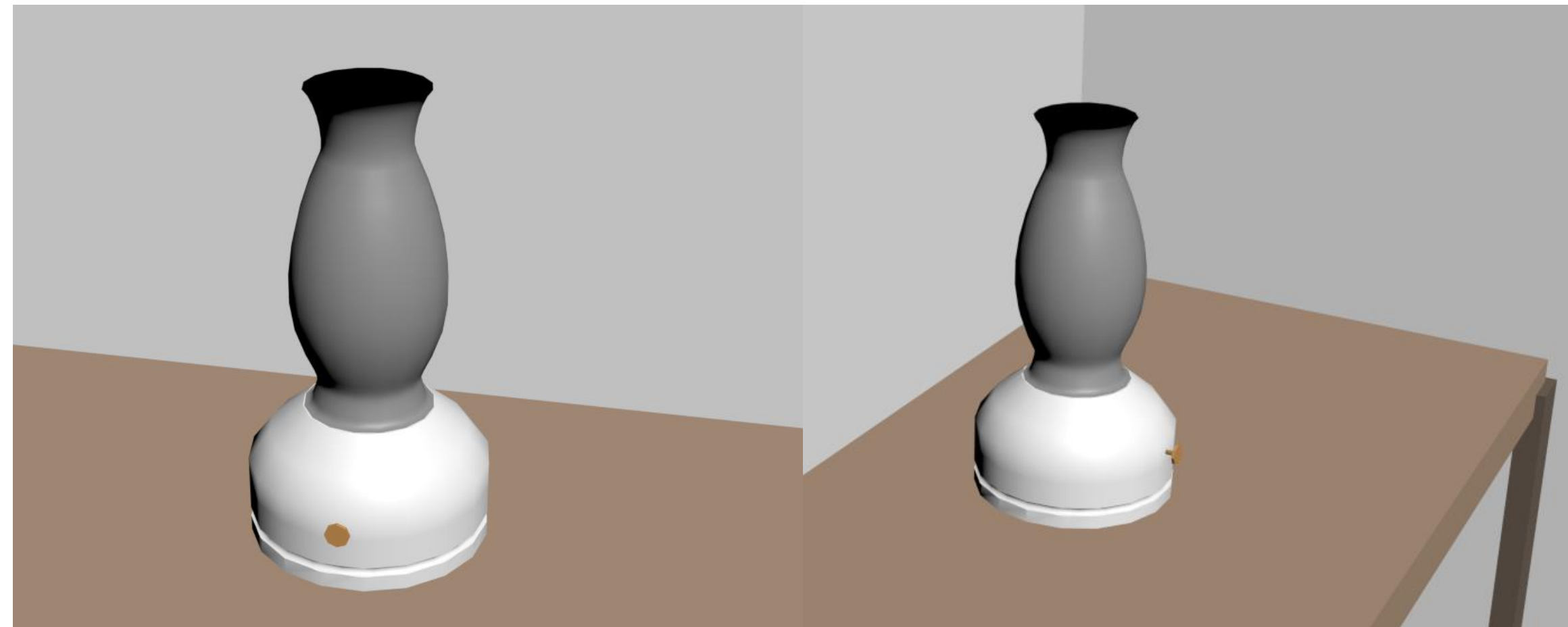
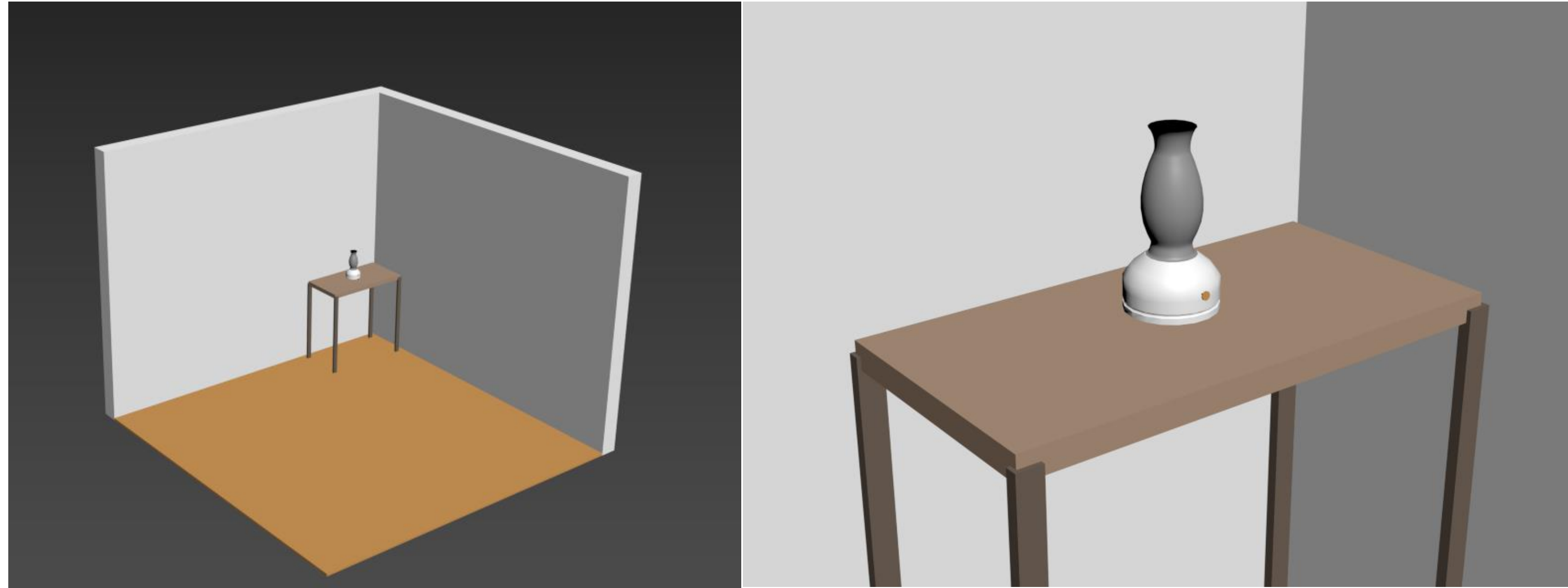


Exerc. 7 - Helix

Entrega 4



Exerc. 8 – Sólidos



Exerc. 9 – Candeeiro