

Nets and tilings as models for crystals

Olaf Delgado-Friedrichs

CG Week Brisbane, 4 July 2017



[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

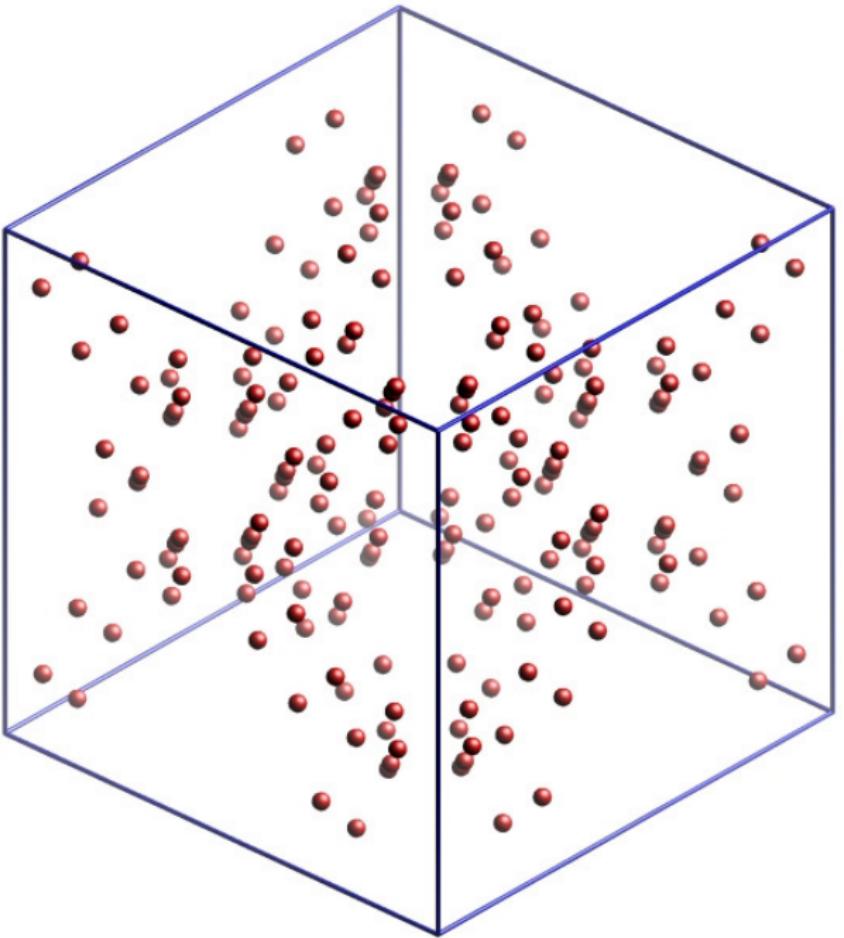
[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

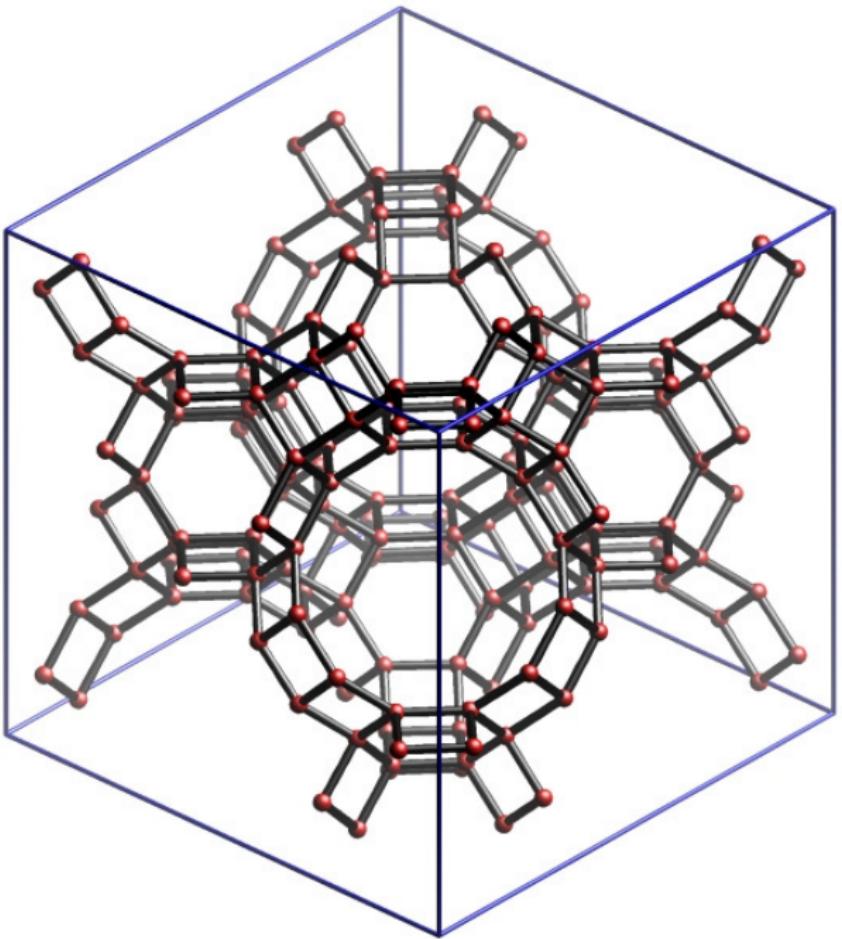
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Materials

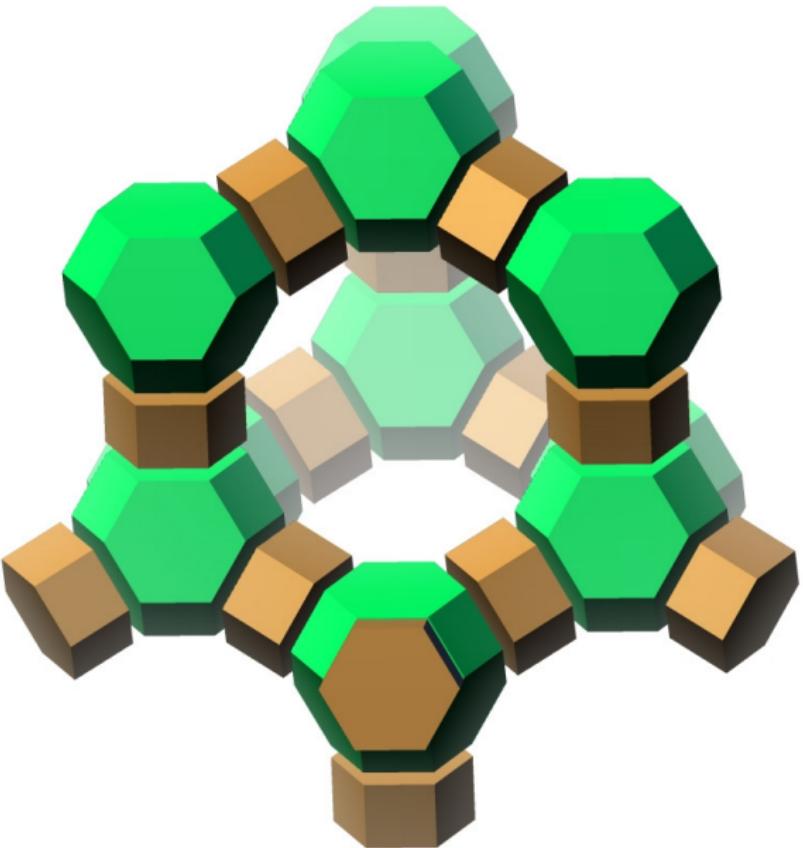
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

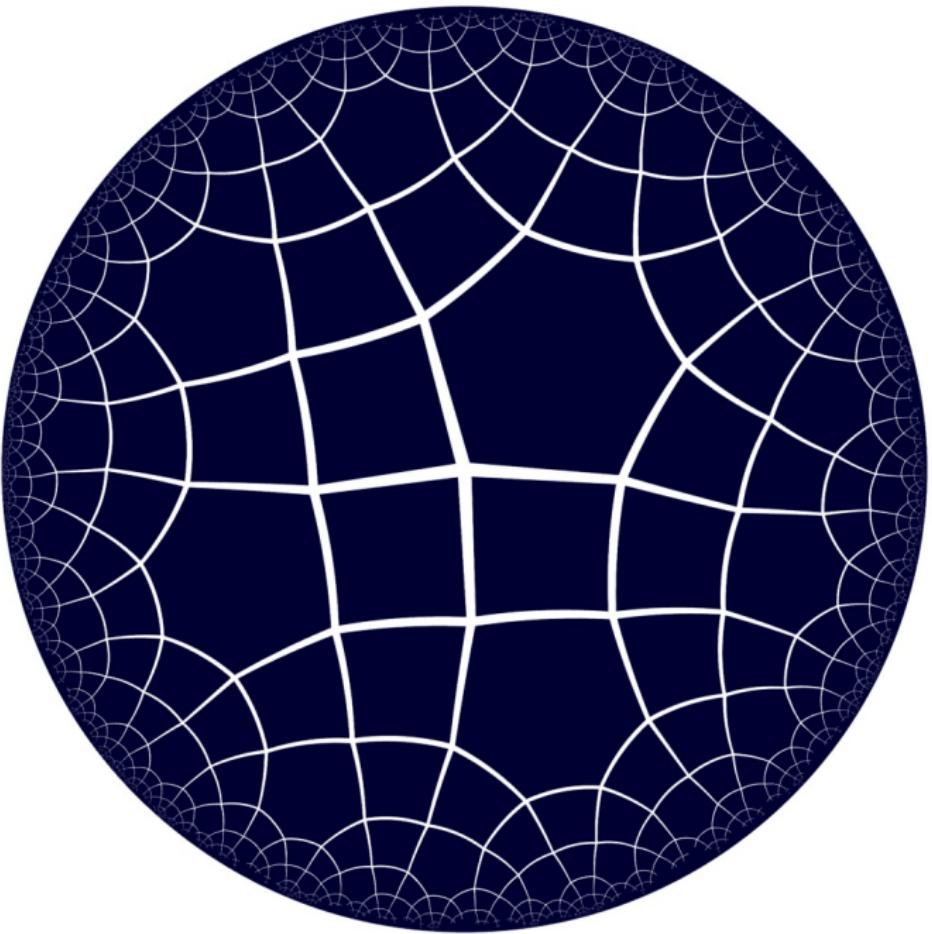
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Materials

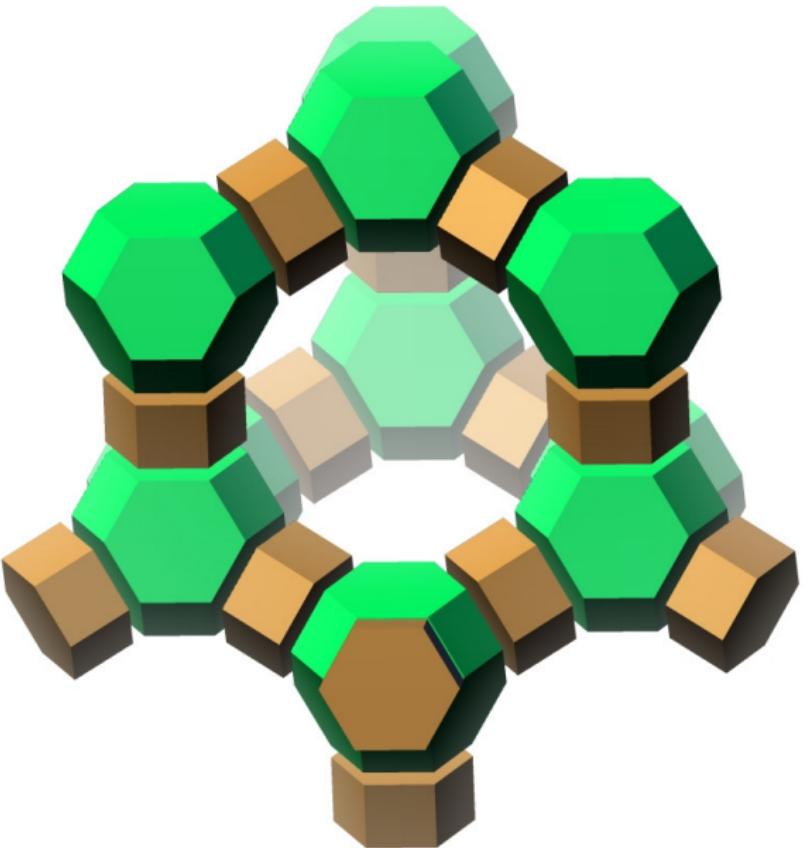
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

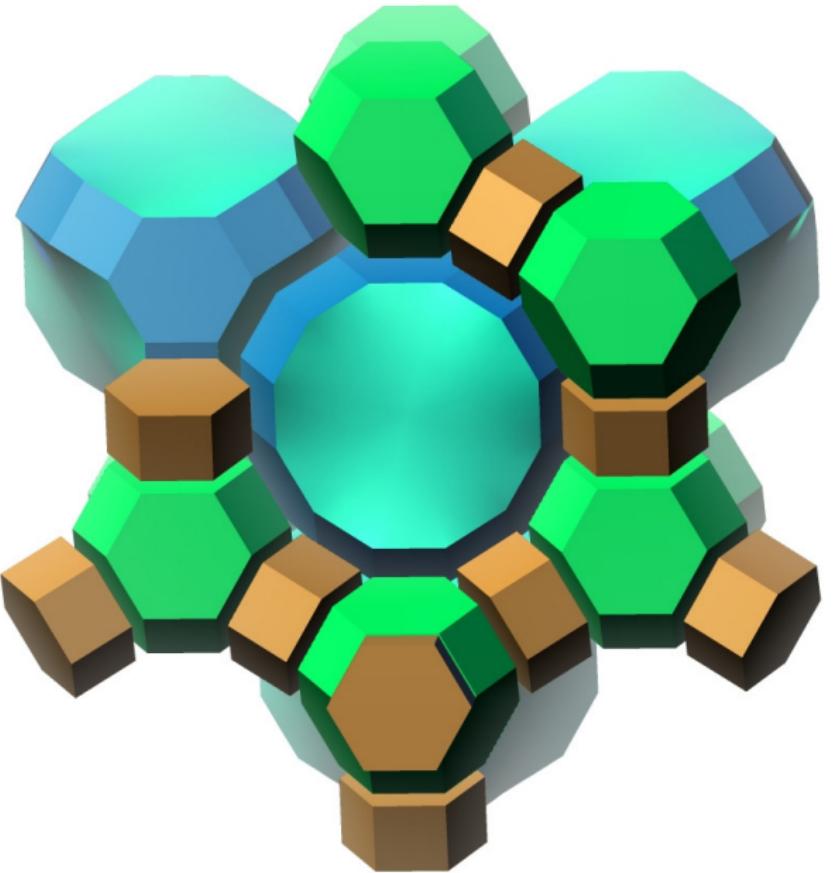
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

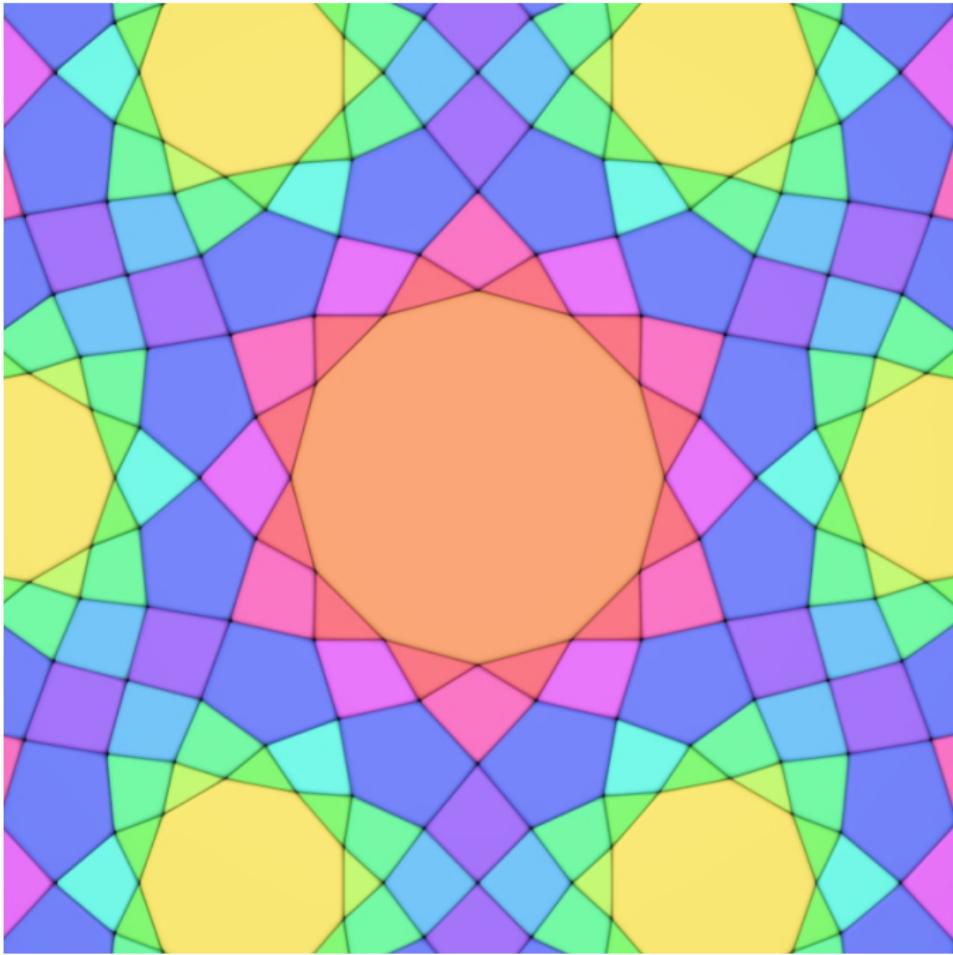
[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)



Nets and tilings as
models for crystals

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Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

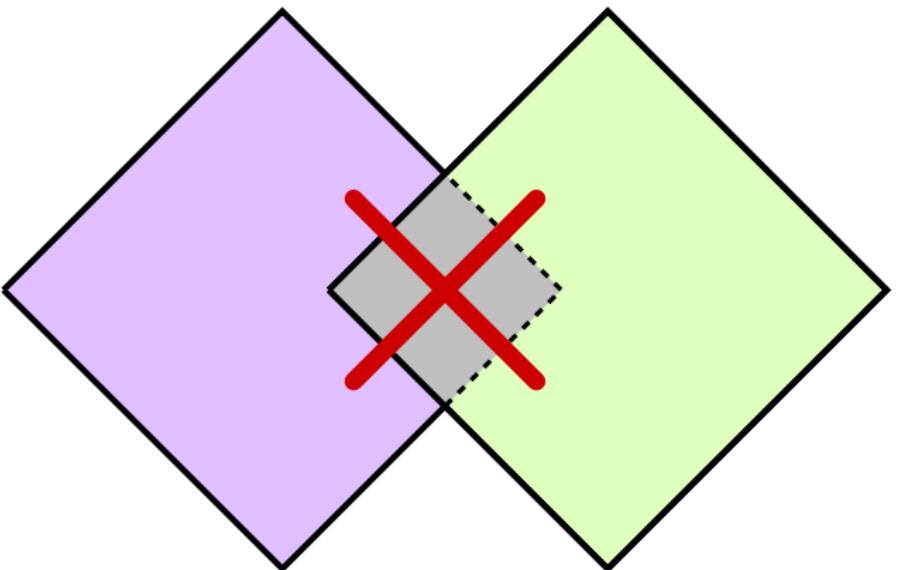
3d Tilings And
Materials

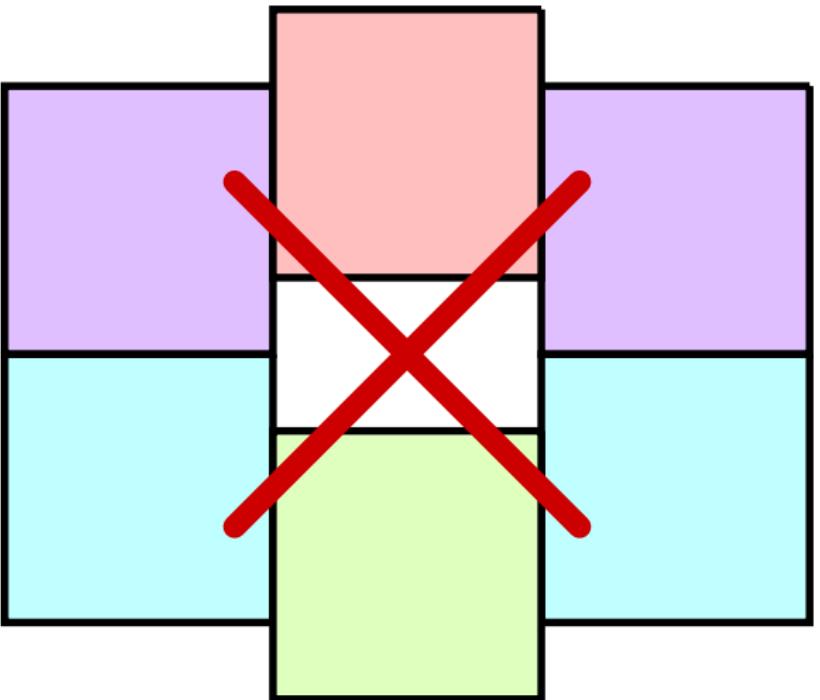
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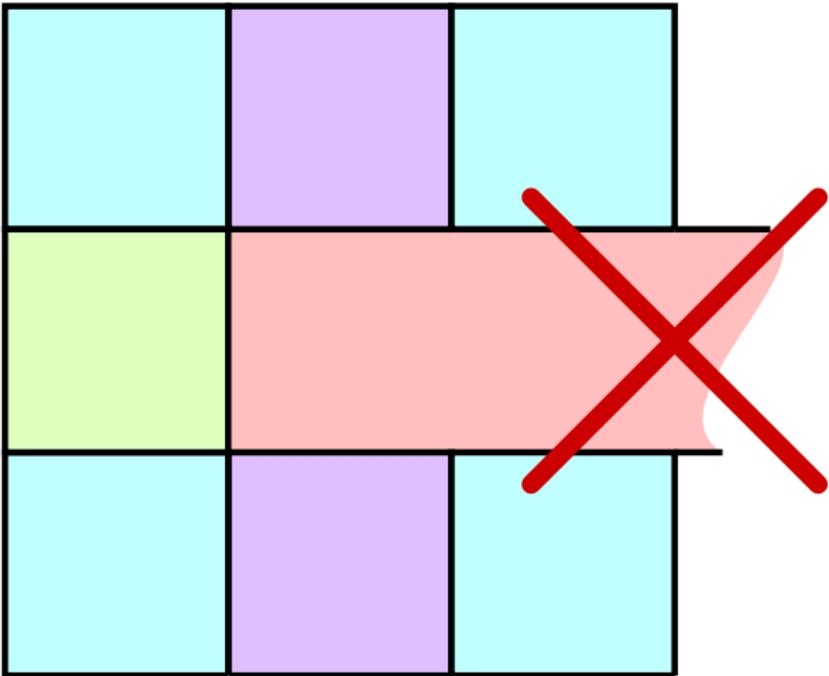
Is Diamond Simple

Regular Nets

Demo







[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

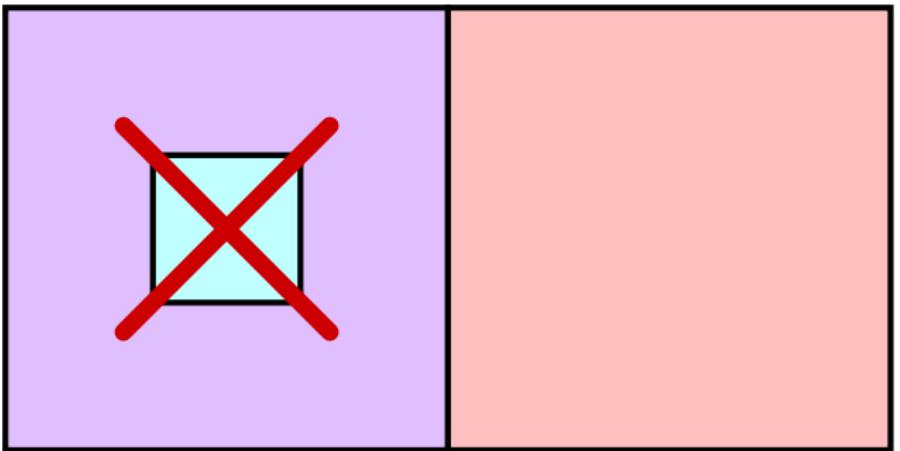
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Materials

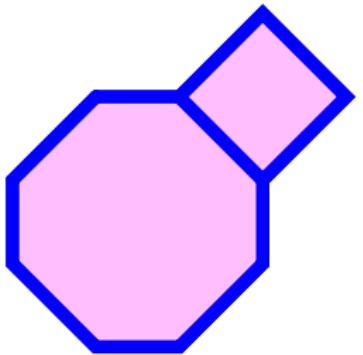
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

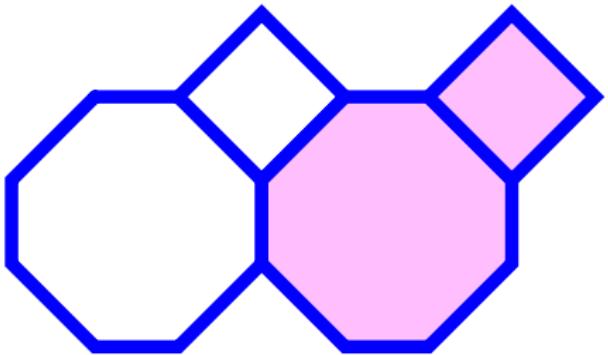
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Materials

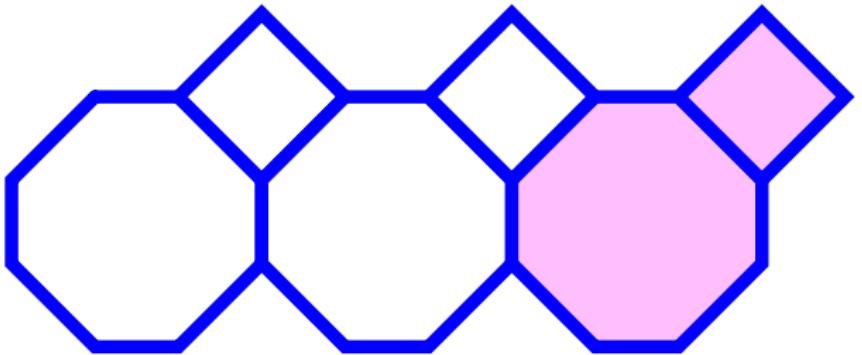
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

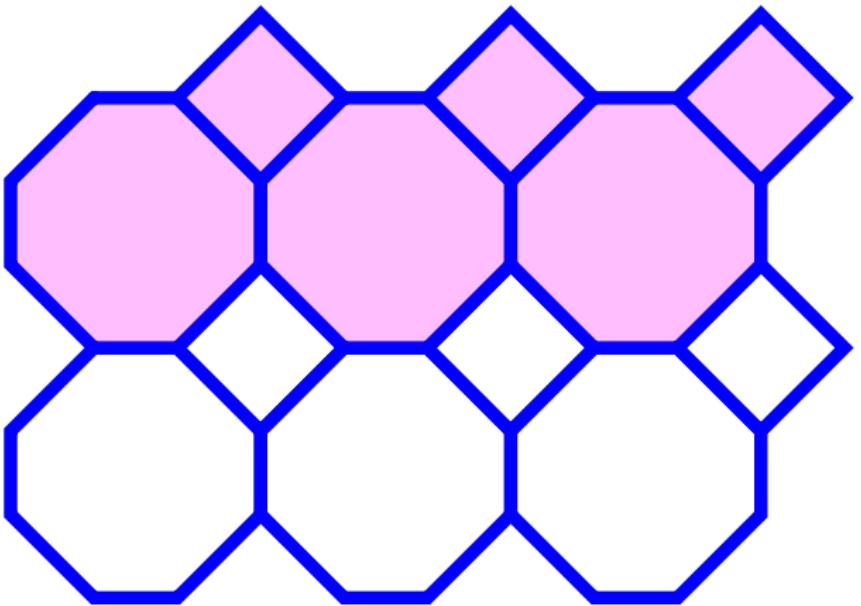
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

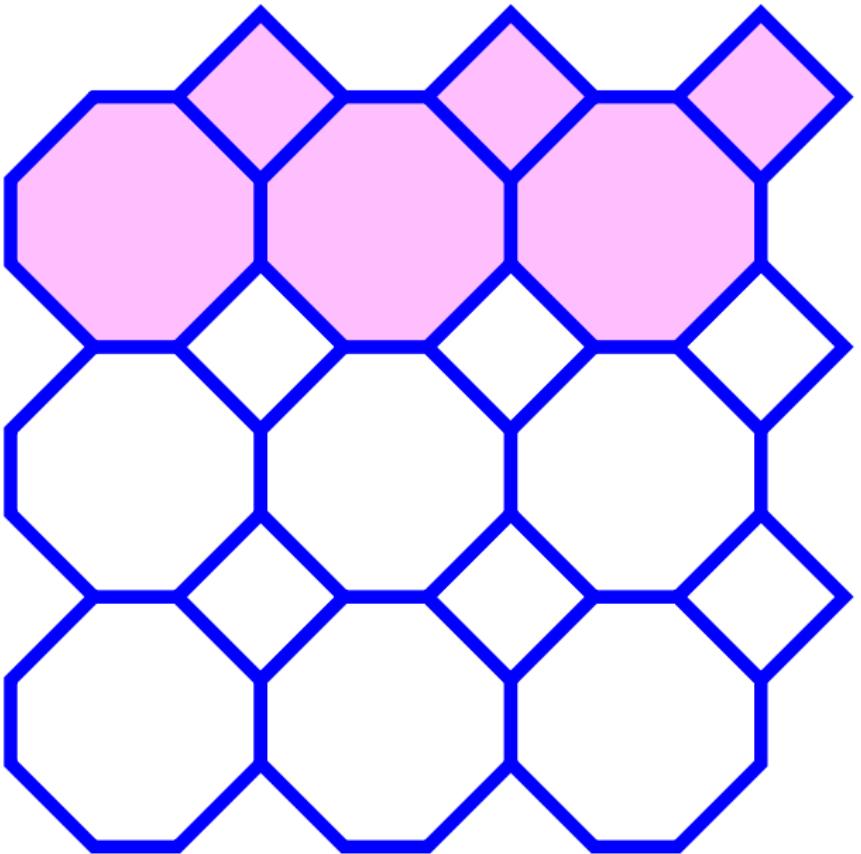
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

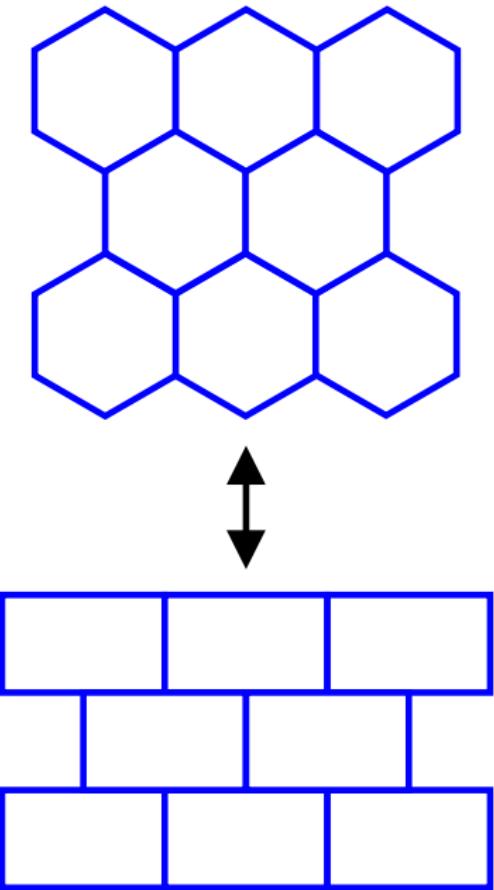
3d Tilings And
Materials

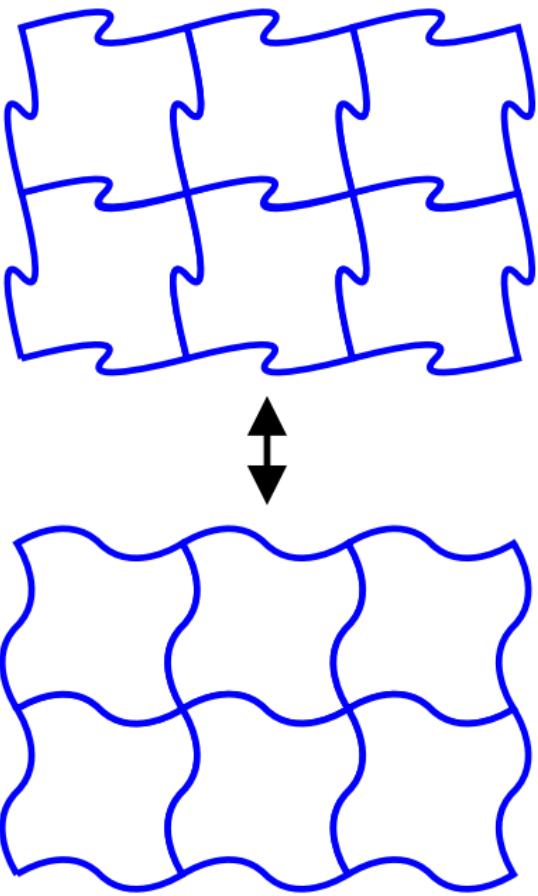
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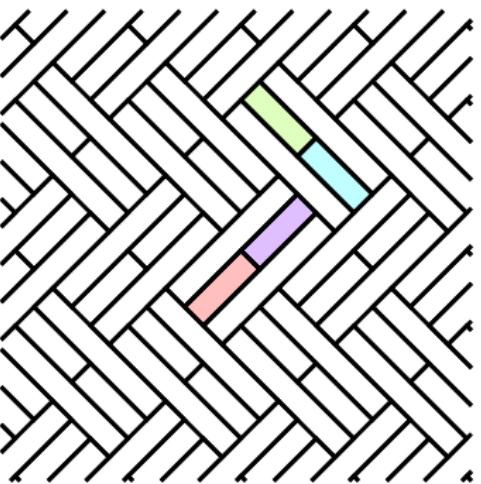
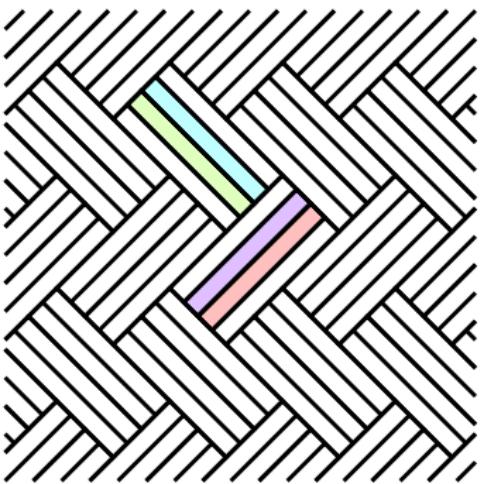
Is Diamond Simple

Regular Nets

Demo







Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

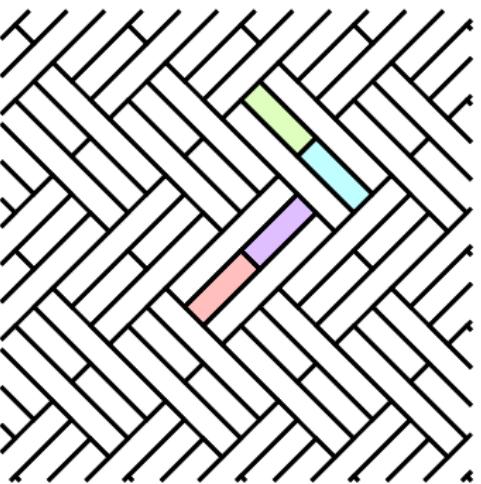
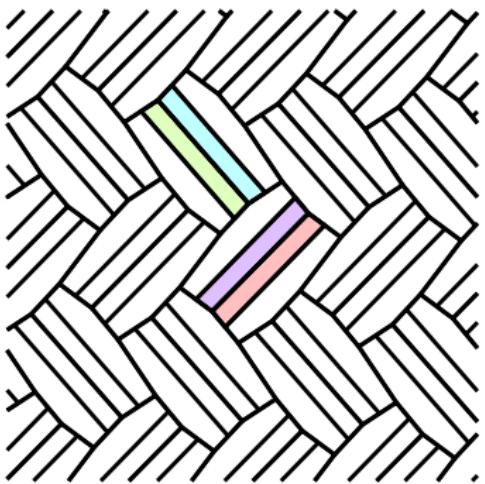
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

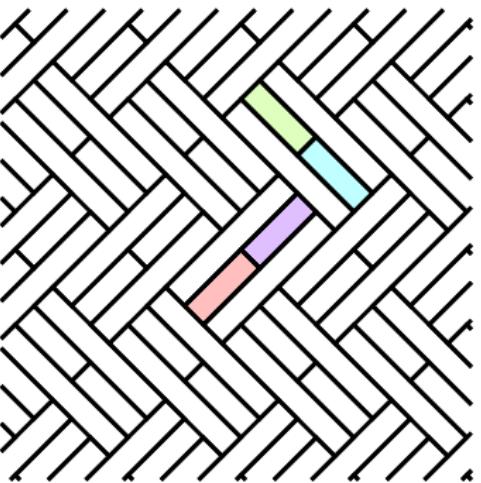
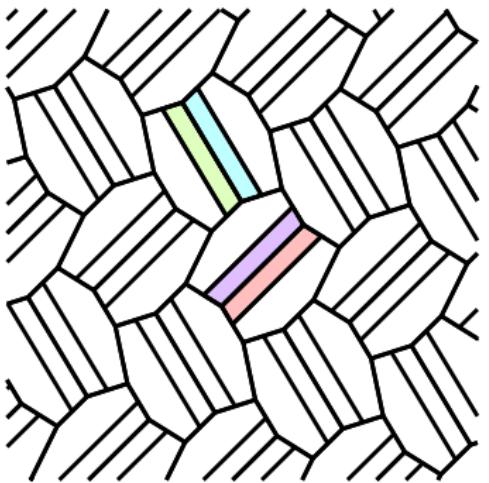
3d Tilings And
Materials

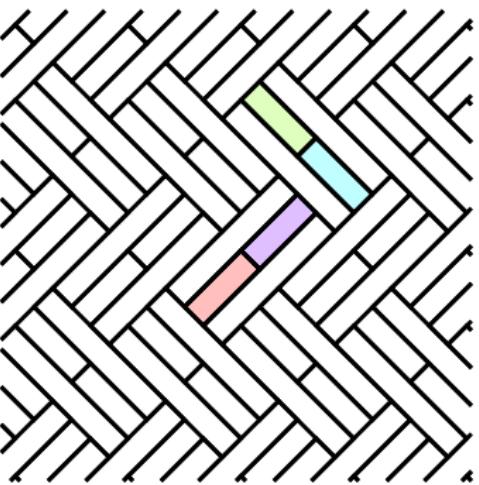
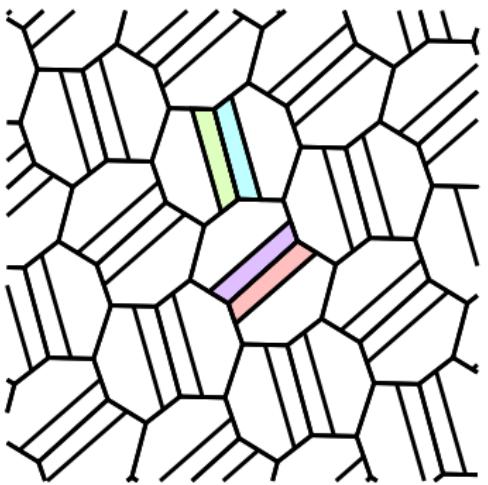
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

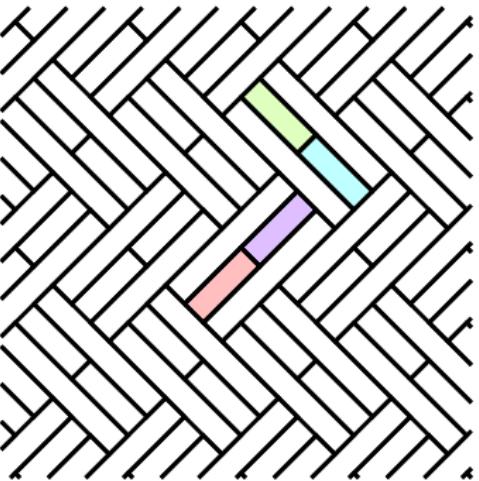
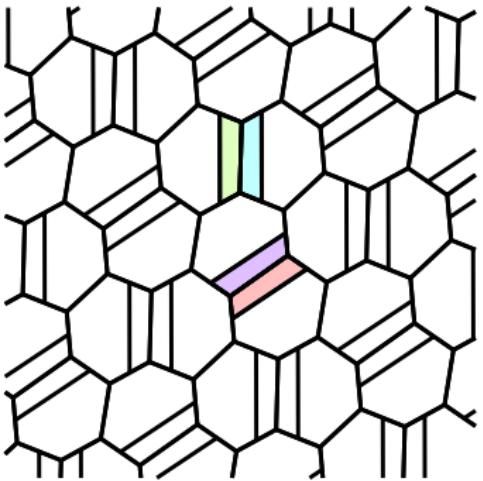
3d Tilings And
Materials

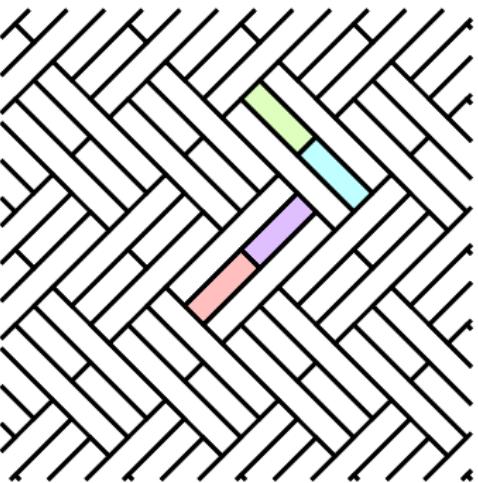
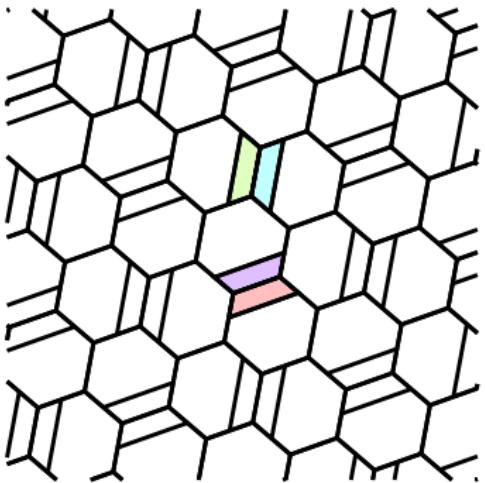
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

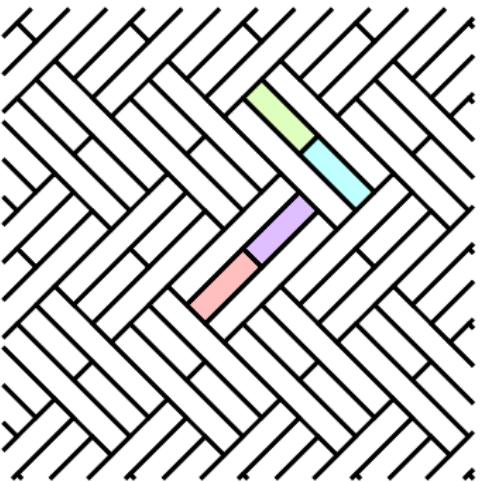
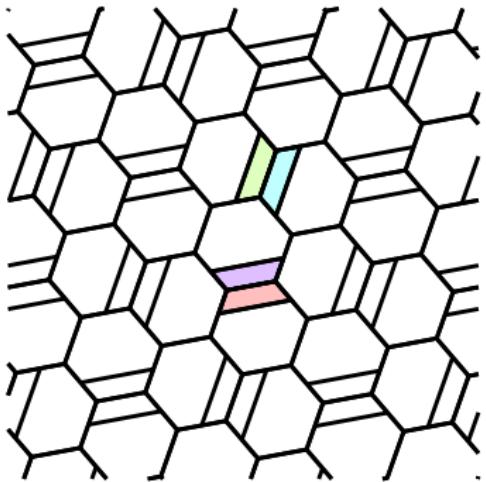
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

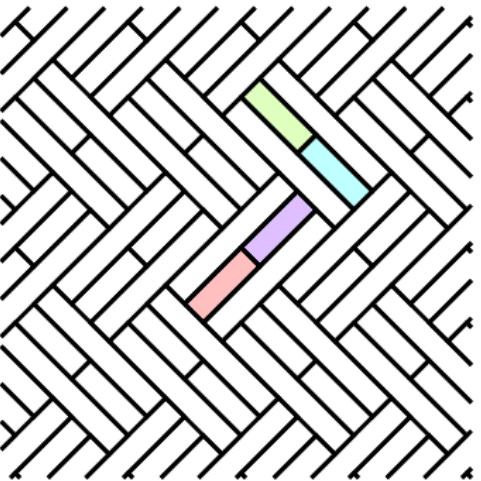
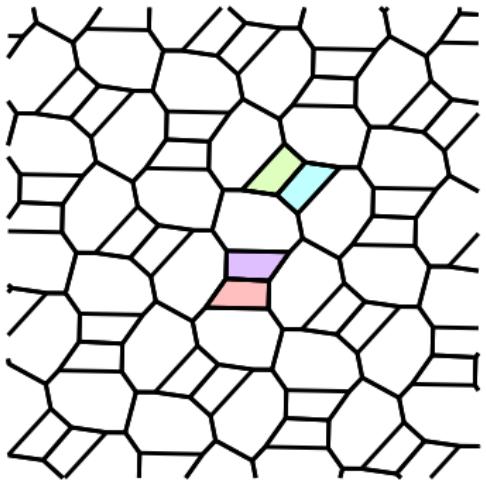
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

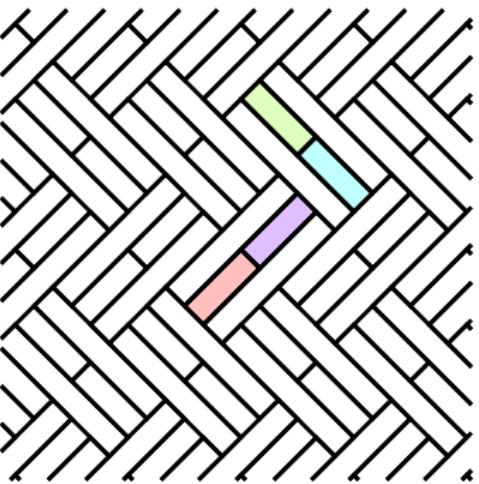
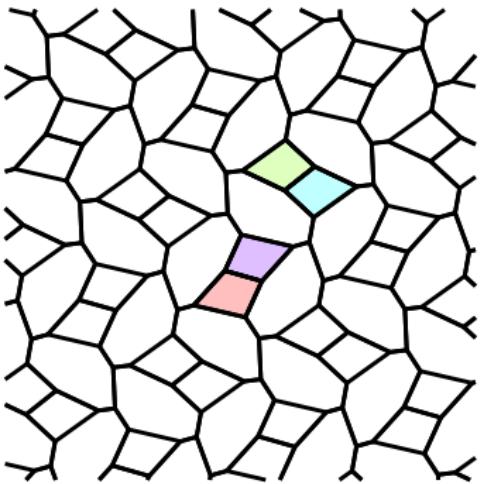
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

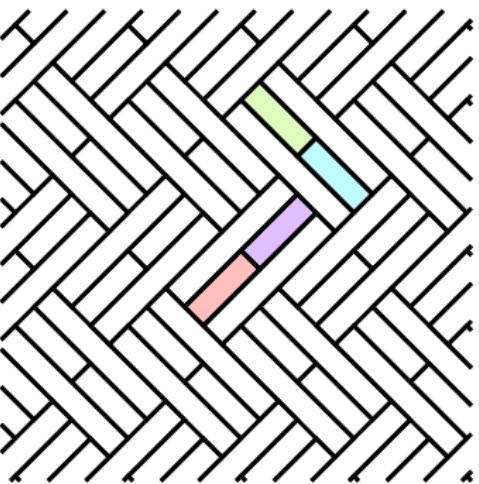
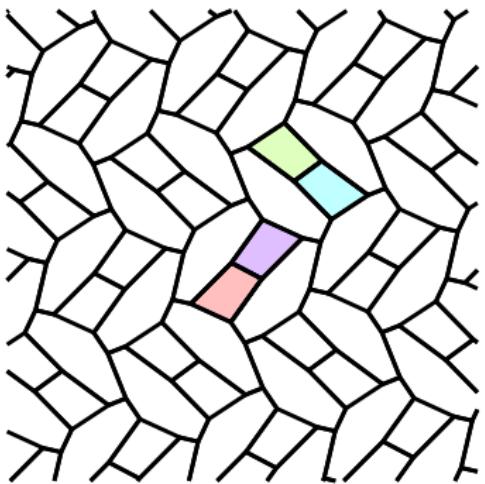
3d Tilings And
Materials

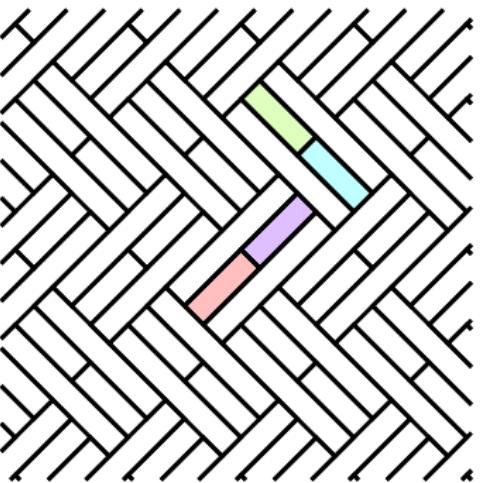
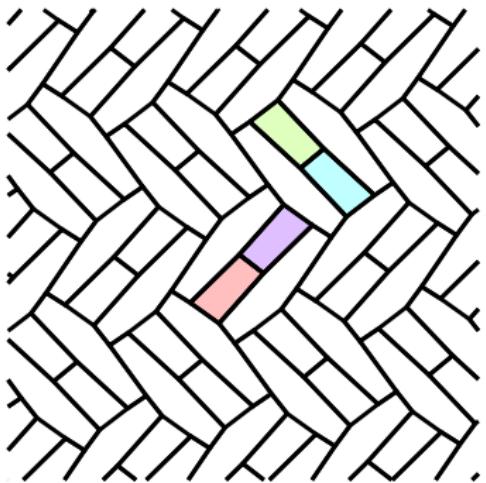
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

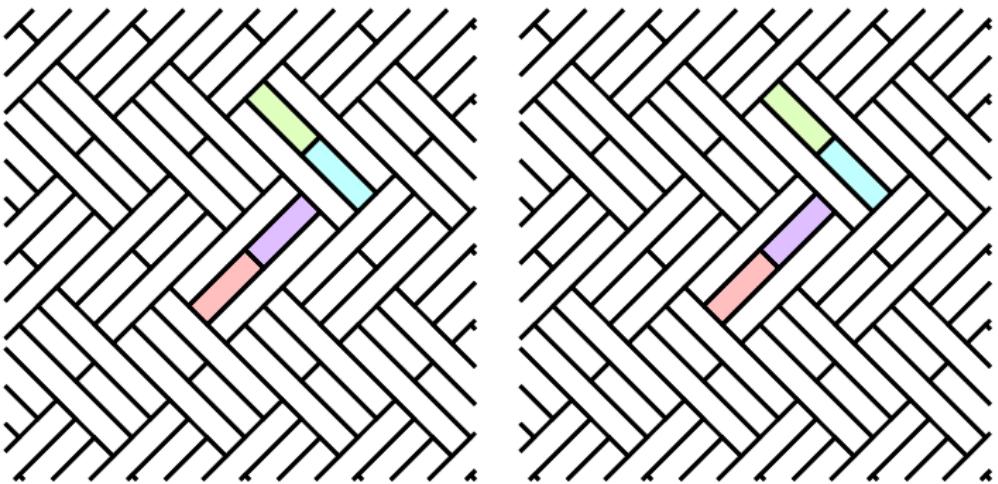
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

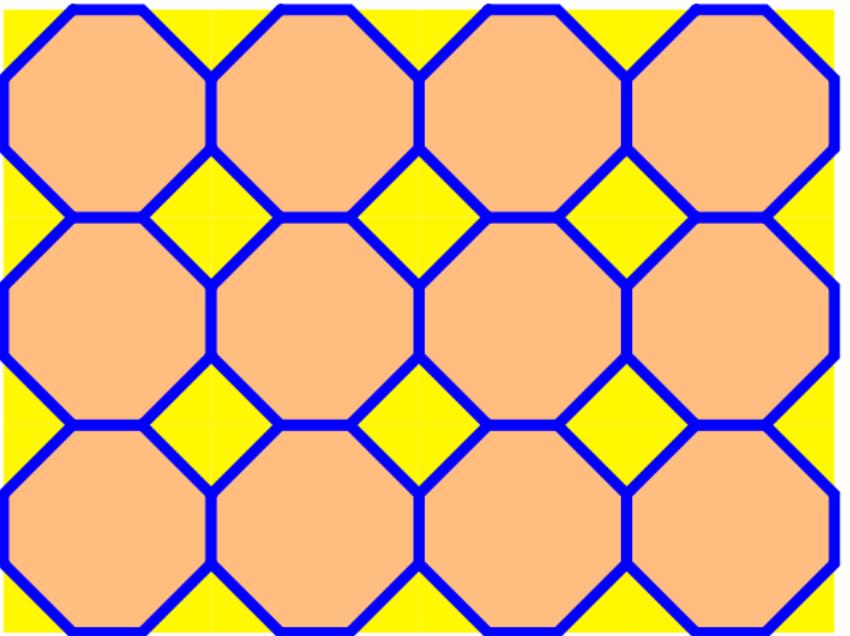
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

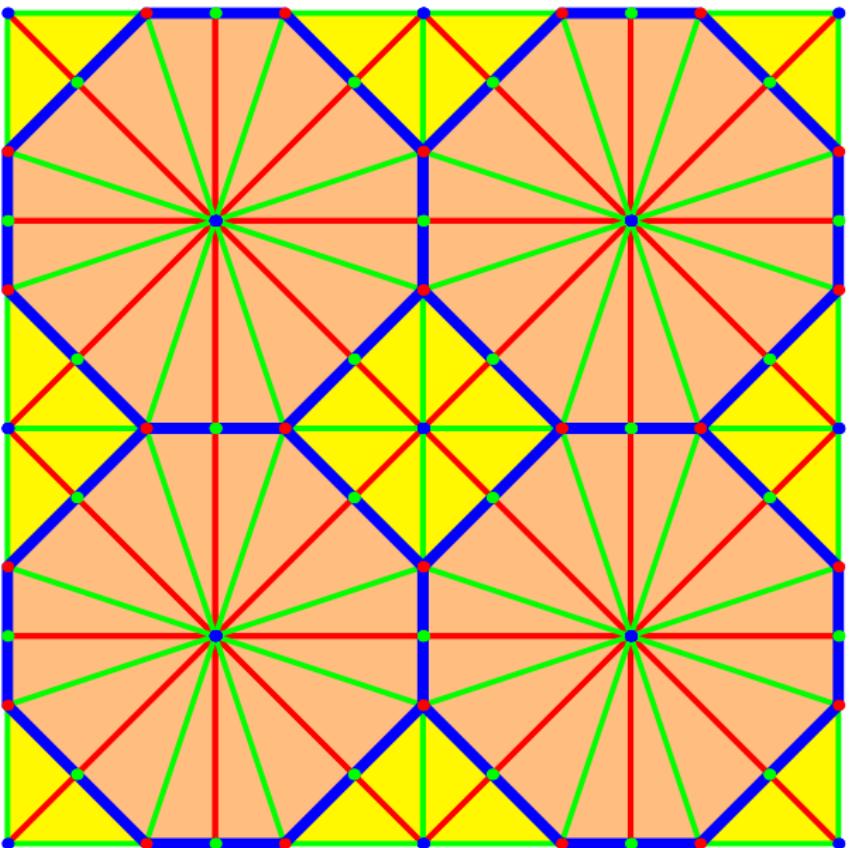
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Materials

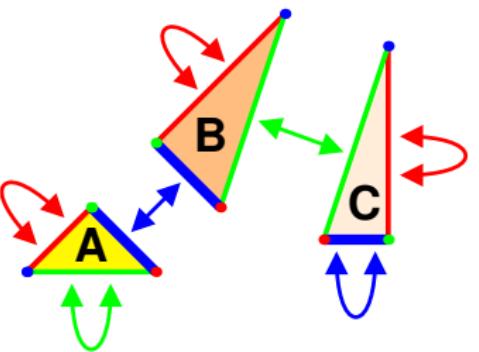
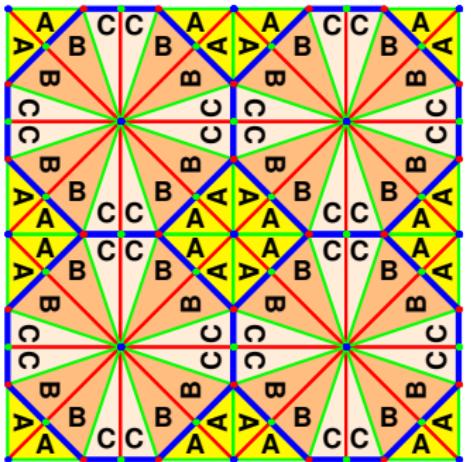
Simple Tilings

Is Diamond Simple

Regular Nets

Demo





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

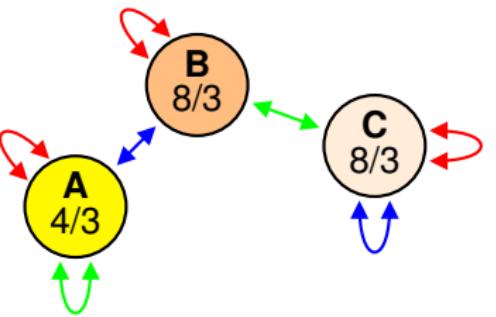
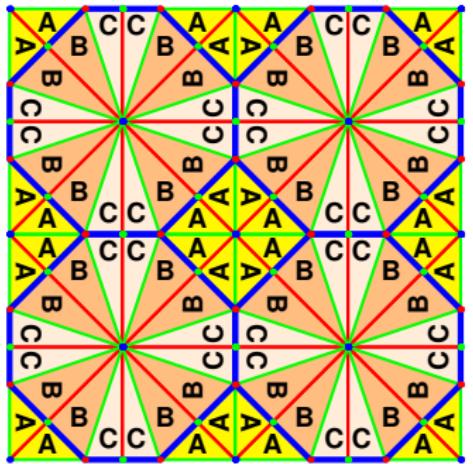
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

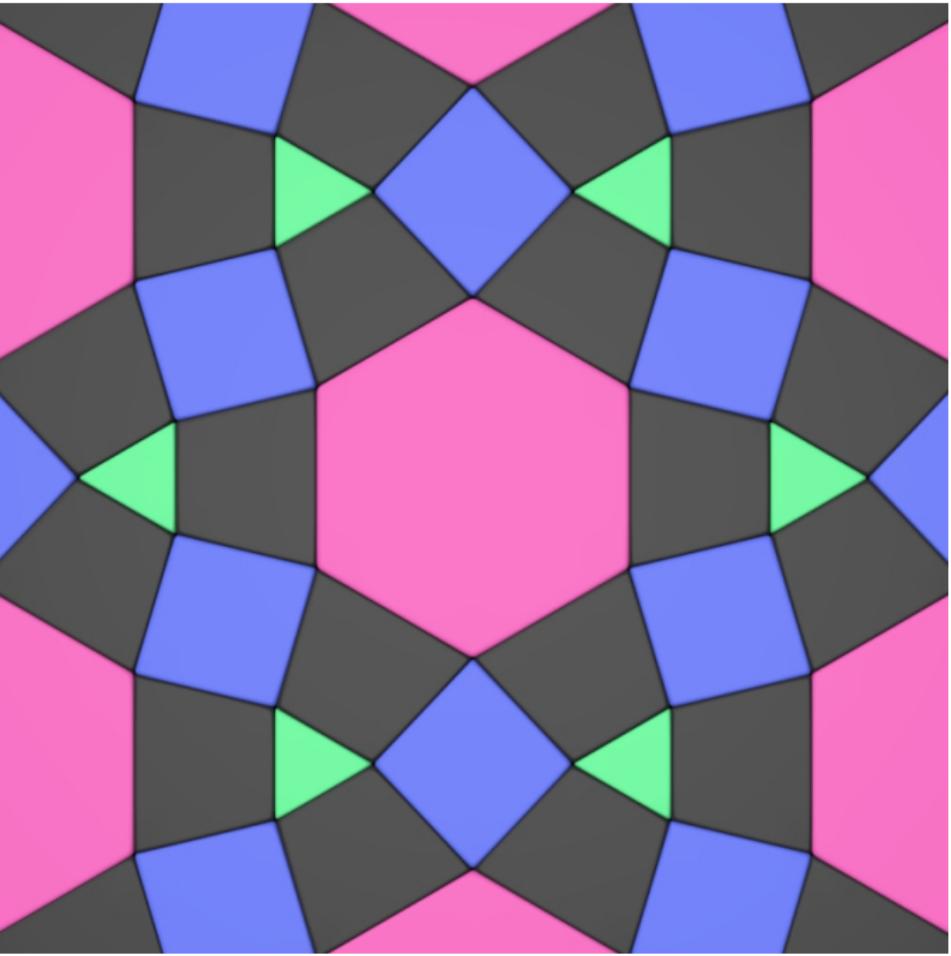
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Nets and tilings as
models for crystals

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Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

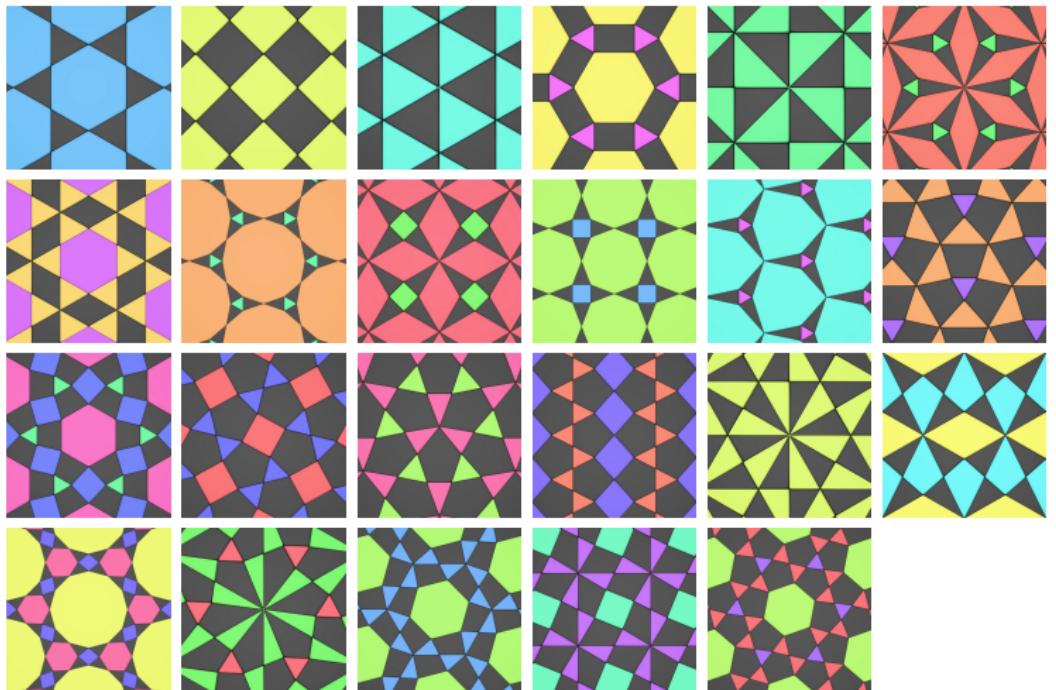
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



Nets and tilings as models for crystals

Olaf Delgado

Crystal Model Hierarchy

Periodic Tilings

Another Collatz Problem

Delaney-Dress Symbols

Heaven And Hell

3d Tilings And Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo

A.W.M. Dress, D.H. Huson. *Revue Topologie Structurale*, 1991

[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

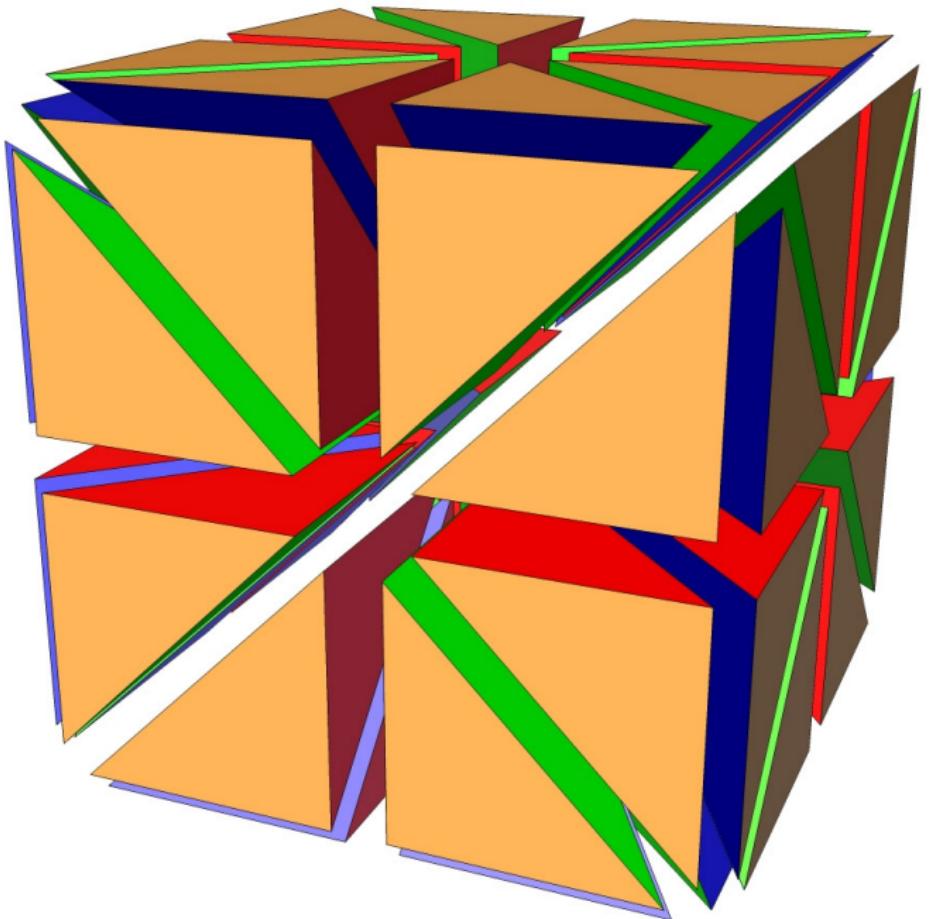
[3d Tilings And
Materials](#)

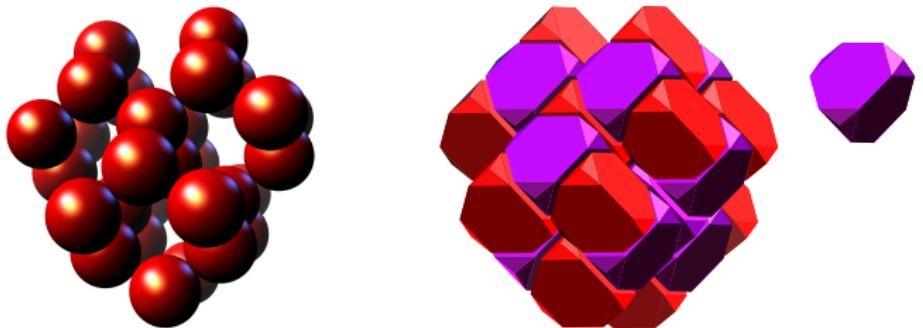
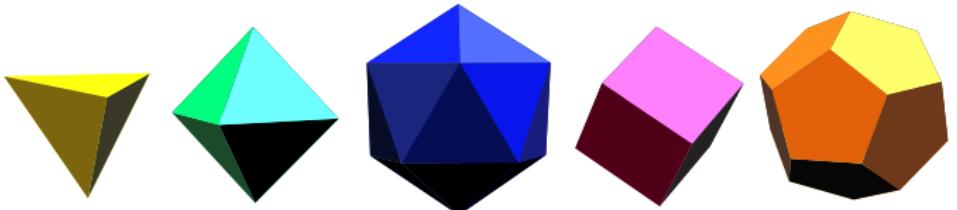
[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)





Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

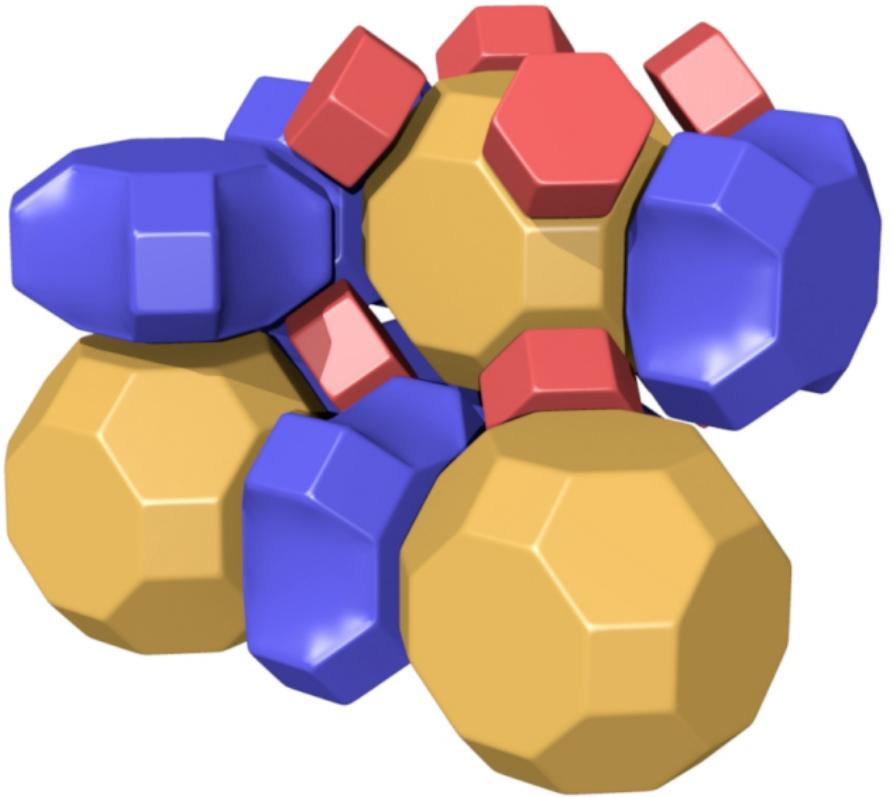
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

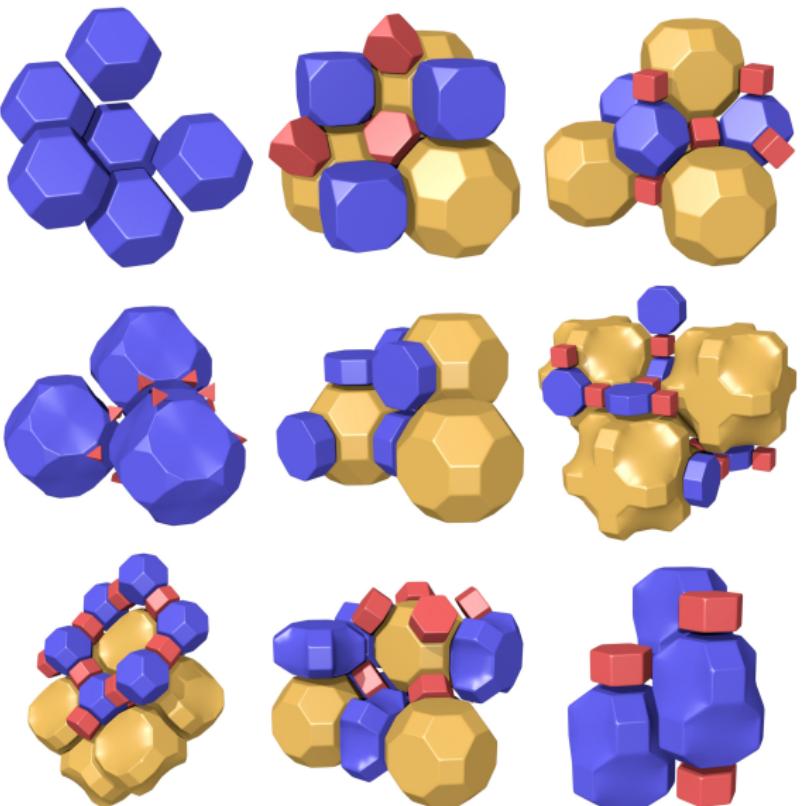
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

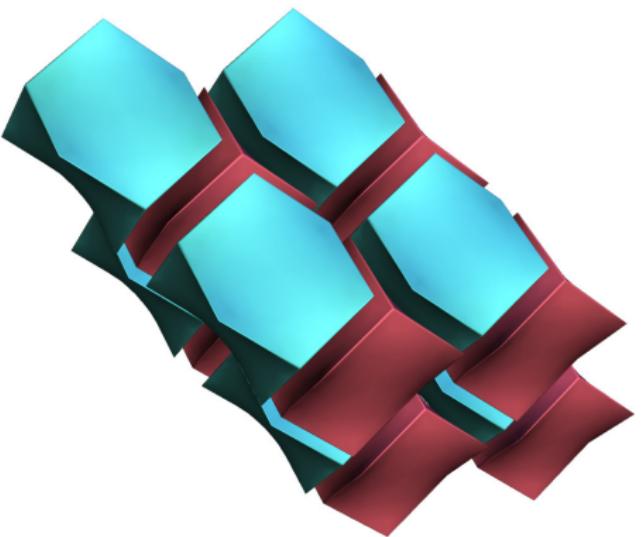
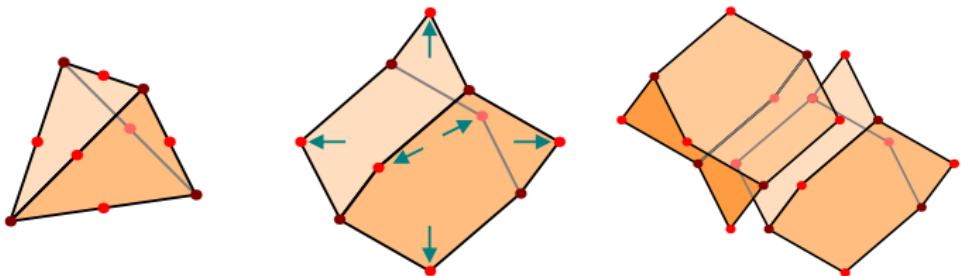
Demo



D.H. Huson, ODF. *Discrete & Computational Geometry*, 1999

Nets and tilings as models for crystals

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[Crystal Model
Hierarchy](#)

[Periodic Tilings](#)

[Another Collatz
Problem](#)

[Delaney-Dress
Symbols](#)

[Heaven And Hell](#)

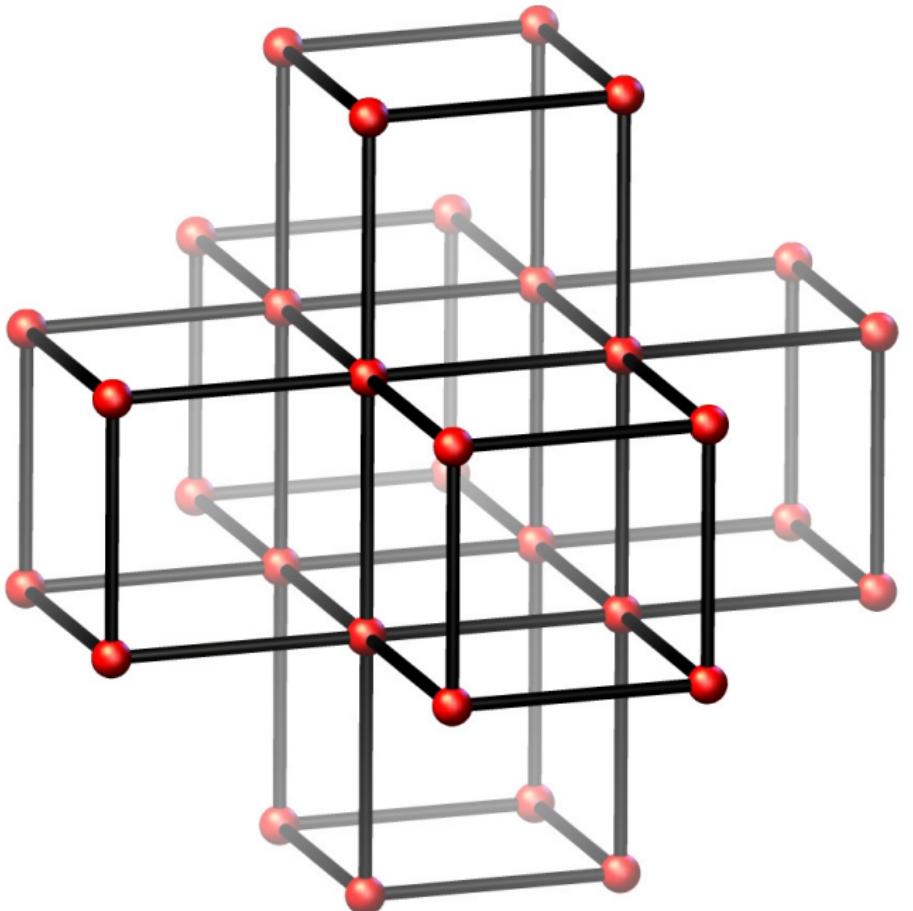
[3d Tilings And
Materials](#)

[Simple Tilings](#)

[Is Diamond Simple](#)

[Regular Nets](#)

[Demo](#)



Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

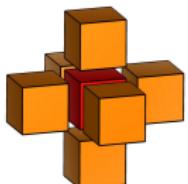
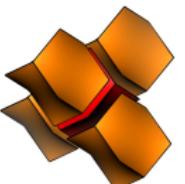
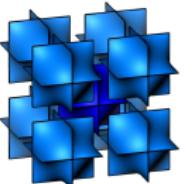
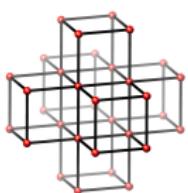
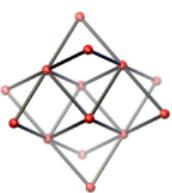
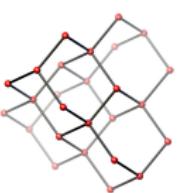
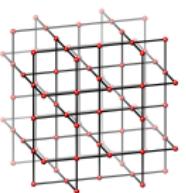
3d Tilings And
Materials

Simple Tilings

Is Diamond Simple

Regular Nets

Demo



M. O'Keeffe , O.M. Yaghi, ODF. *Acta Cryst A*, 2002

Demo

Crystal Model
Hierarchy

Periodic Tilings

Another Collatz
Problem

Delaney-Dress
Symbols

Heaven And Hell

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