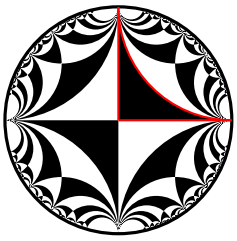
Triangle groups and tilings

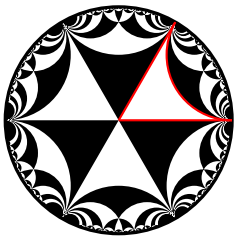
Damien Mégy

Drawn with the **luahyperbolic** package. (`https://github.com/dmegy/luahyperbolic`)

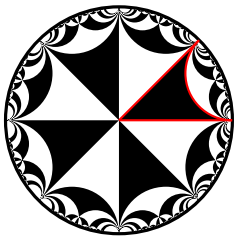
Triangle tilings of type (p, ∞, ∞) for $p \leq 6$



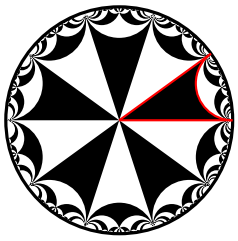
$(2, \infty, \infty)$



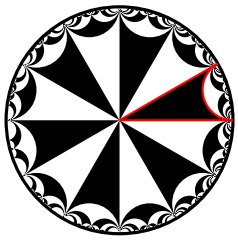
$(3, \infty, \infty)$



$(4, \infty, \infty)$

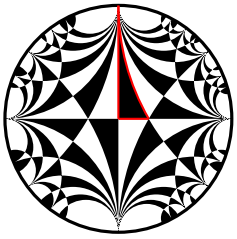


$(5, \infty, \infty)$

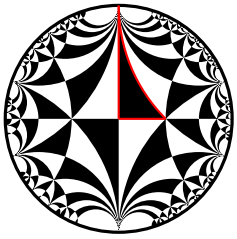


$(6, \infty, \infty)$

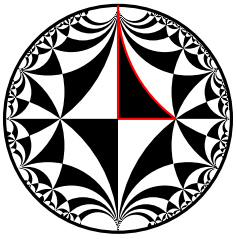
Triangle tilings of type (p, q, ∞) for $2 \leq p \leq q \leq 5$



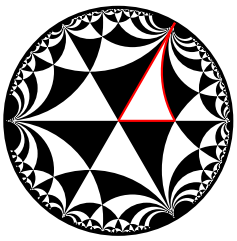
$(2, 3, \infty)$



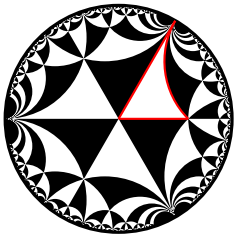
$(2, 4, \infty)$



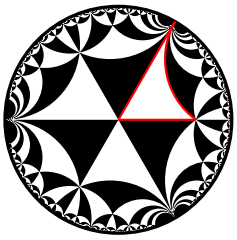
$(2, 5, \infty)$



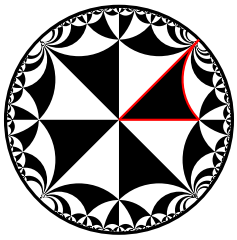
$(3, 3, \infty)$



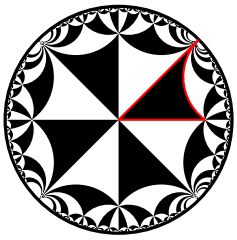
$(3, 4, \infty)$



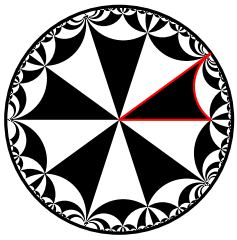
$(3, 5, \infty)$



$(4, 4, \infty)$

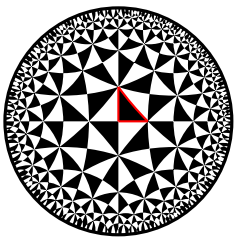


$(4, 5, \infty)$

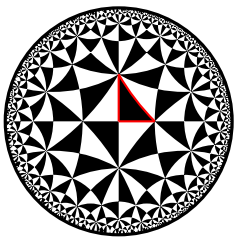


$(5, 5, \infty)$

Triangle tilings of type (p, q, r) for $2 \leq p \leq q \leq r \leq 6$



$(2, 4, 5)$



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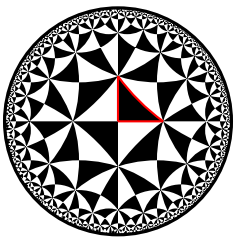
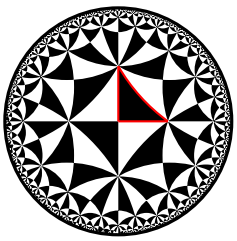


$(2, 5, 5)$



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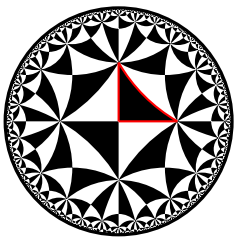
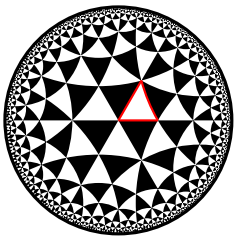
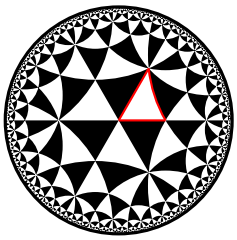
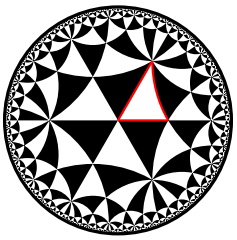


$(2, 6, 6)$


$(3,3,4)$


$(3,3,5)$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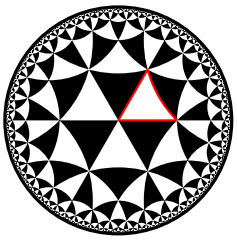
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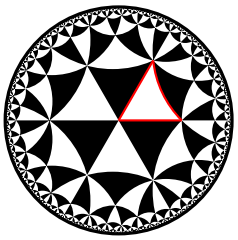
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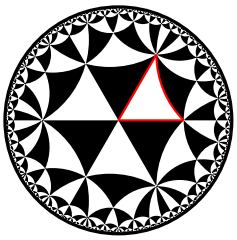
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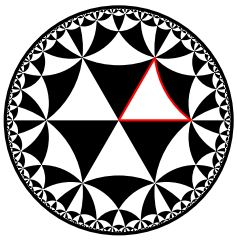
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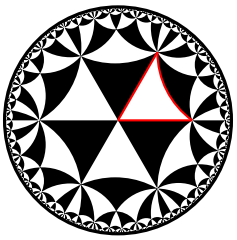
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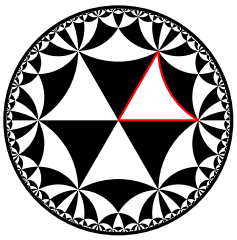
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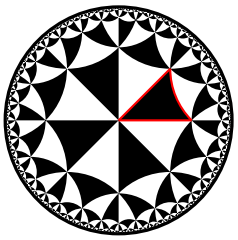
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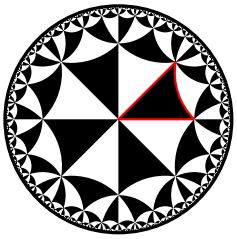
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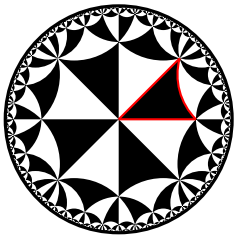
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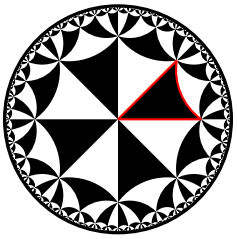
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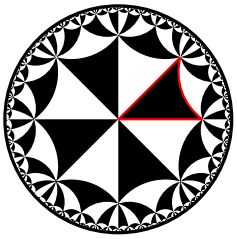
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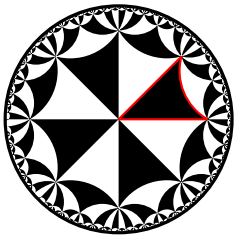
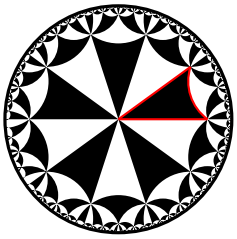
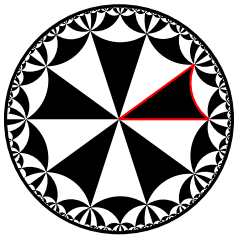
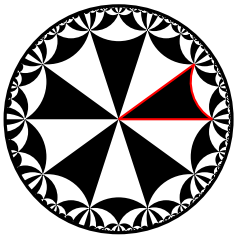
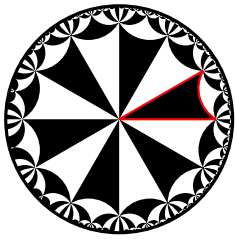

$(4,6,6)$


$(5,5,5)$


$(5,5,6)$


$(5,6,6)$


$(6,6,6)$