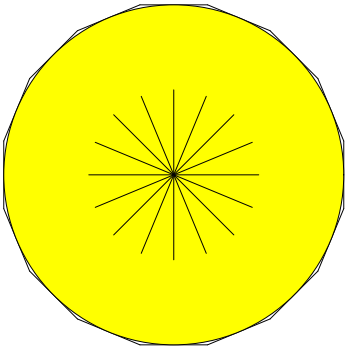
N = 1

1 circle in a hexadecagon

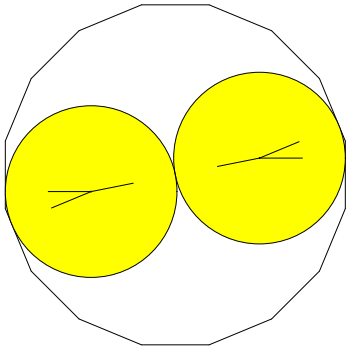


radius = 0.980785280403 density = 0.987115800972
ratio = 1.019591158209 contacts = 16

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 2

2 circles in a hexadecagon

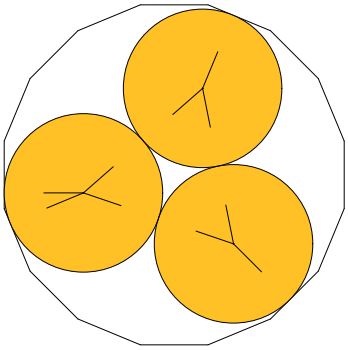


radius = 0.495149721732 density = 0.503179917313
ratio = 2.019591158208 contacts = 5

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 3

3 circles in a hexadecagon

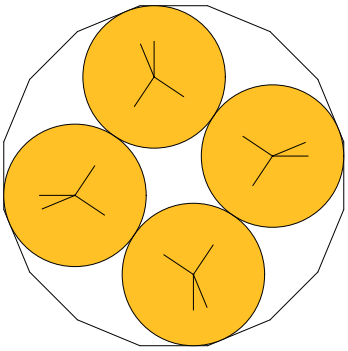


radius = 0.457221451812 density = 0.643568348049
ratio = 2.187123976878 contacts = 7

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 4

4 circles in a hexadecagon

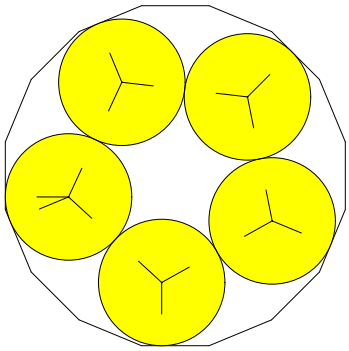


radius = 0.410879308247 density = 0.692960944306
ratio = 2.433804720581 contacts = 12

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 5

5 circles in a hexadecagon

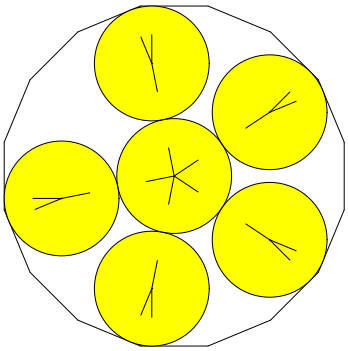


radius = 0.364795992040 density = 0.682795021344
ratio = 2.741258187647 contacts = 11

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 6

6 circles in a hexadecagon

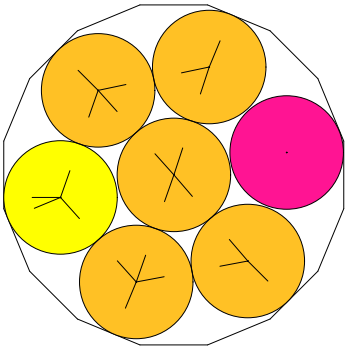


radius = 0.331170661062 density = 0.675266469782
ratio = 3.019591158208 contacts = 15

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 7

7 circles in a hexadecagon

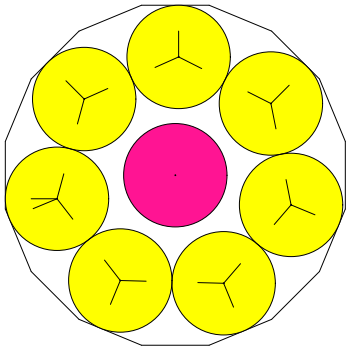


radius = 0.327408427053 density = 0.770012848460
ratio = 3.054289130558 contacts = 14

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 8

8 circles in a hexadecagon

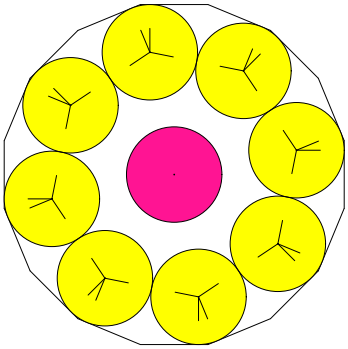


radius = 0.298219404666 density = 0.730099430866
ratio = 3.353235853721 contacts = 15

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 9

9 circles in a hexadecagon

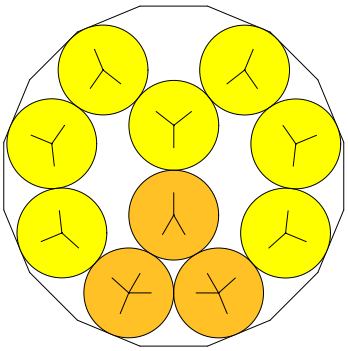


radius = 0.275276047043 density = 0.699841320741
ratio = 3.632717087960 contacts = 24

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 10

10 circles in a hexadecagon

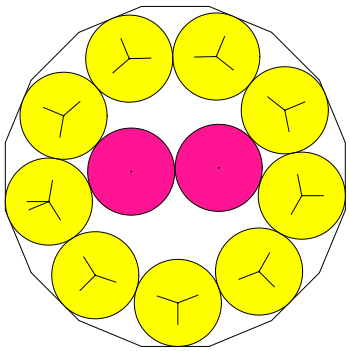


radius = 0.259076416136 density = 0.688772797313
ratio = 3.859865034866 contacts = 20

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 11

11 circles in a hexadecagon

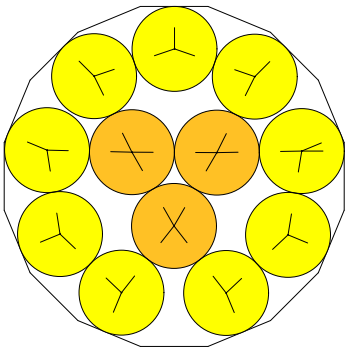


radius = 0.251164419238 density = 0.712080580393
ratio = 3.981455665709 contacts = 19

© E. Specht & D.A. Pushnikov 10-DEC-2020

N = 12

12 circles in a hexadecagon



radius = 0.244950583610 density = 0.738853658686
ratio = 4.082456082623 contacts = 25

© E. Specht & D.A. Pushnikov 10-DEC-2020