CLAIMS

What is claimed:

1. A foam cushion comprising:

layers of foam that are arranged along a length of the foam cushion.

2. The foam cushion of claim 1, wherein the layers of foam are formed of at least two types of foam.

3. The foam cushion of claim 2, wherein the at least two types of foam are arranged in alternating layers.

4. The foam cushion of claim 3, wherein the at least two types of foam have Indentation Force Deflections (IFDs) that differ by at least 15%.

5. The foam cushion of claim 3, wherein the at least two types of foam have Indentation Force Deflections (IFDs) that differ by at least 20%.

6. The foam cushion of claim 3, wherein the at least two types of foam have Indentation Force Deflections (IFDs) that differ by at least 25%.

7. The foam cushion of claim 3, wherein the at least two types of foam are selected from:

quick-rebound polyurethane foam;
slow-rebound polyurethane foam;
latex foam;
expanded polyolefin foam;
EVA foam;
silicone foam;
melamine foam;
PVDF foam;
polyethylene foam;
shredded and then rebonded foam; and

Energex foam.

8. The foam cushion of claim 1, wherein each layer has a thickness and a height, the thickness being less than the height.

9. The foam cushion of claim 8, wherein a ratio of the height to the thickness is at least 2.5.

10. The foam cushion of claim 8, wherein a ratio of the height to the thickness is at least 3.

11. The foam cushion of claim 8, wherein a ratio of the height to the thickness is at least 3.5.

12. The foam cushion of claim 8, wherein a ratio of the height to the thickness is at least 4.

13. The foam cushion of claim 1, wherein the layers are formed from opposing first and second foam cushion components.

14. The foam cushion of claim 13, wherein each of the first and second foam cushion components includes layers that emanate from a base and the layers of the first foam cushion component are alternated with the layers of the second foam cushion component.

15. The foam cushion of claim 14, wherein the base of first foam cushion component has a greater height than the base of the second foam cushion component.

16. The foam cushion of claim 14, wherein a height of the layers of the first foam cushion component is greater than a height of the layers of the second foam cushion component.

17. The foam cushion of claim 16, wherein gaps are formed between the layers of the second foam cushion component and the base of the first foam cushion component.

18. The foam cushion of claim 14, wherein gaps are formed between the layers of the second foam cushion component and the base of the first foam cushion component.

19. The foam cushion of claim 18, wherein gaps are also formed between the layers of the first foam cushion component and the base of the second foam cushion component.

20. The foam cushion of claim 14, wherein ends of the layers of the first and second foam cushion components are rounded.

21. The foam cushion of claim 20, wherein the layers of the first and second foam cushion components are secured together by applying glue only to the rounded ends.

22. The foam cushion of claim 14, wherein each layer has a thickness and a height, the thickness being less than the height.

23. The foam cushion of claim 22, wherein a ratio of the height to the thickness is at least 2.5.

24. The foam cushion of claim 22, wherein a ratio of the height to the thickness is at least 3.

25. The foam cushion of claim 22, wherein a ratio of the height to the thickness is at least 3.5.

26. The foam cushion of claim 22, wherein a ratio of the height to the thickness is at least 4.

27. The foam cushion of claim 14, wherein the layers of the first foam cushion component are formed of a first type of foam and the layers of the second foam cushion component are formed a second type of foam.

28. The foam cushion of claim 27, wherein the first and second types of foam have IFDs that differ by at least 15%.

29. The foam cushion of claim 27, wherein the first and second types of foam have IFDs that differ by at least 20%.

30. The foam cushion of claim 27, wherein the first and second types of foam have IFDs that differ by at least 25%.

31. The foam cushion of claim 1, wherein the layers of foam are vertically offset to create gaps between layers.

32. The foam cushion of claim 1, wherein the layers of foam have different heights that create gaps between layers.

33. The foam cushion of claim 1, wherein the foam cushion has a rectangular cross-sectional shape.

34. The foam cushion of claim 1, wherein the foam cushion has a non-rectangular cross-sectional shape.

35. A cushioning article comprising:

a first foam cushion comprising layers of foam that are arranged along a length of the foam cushion.

36. The cushioning article of claim 35, further comprising:

a second foam cushion comprising layers of foam that are arranged along a length of the foam cushion, the first foam cushion being positioned on top of the second foam cushion.

37. The cushioning article of claim 36, wherein the layers of the first foam cushion are formed from opposing first and second foam cushion components, and the layers of the second foam cushion are formed from opposing third and fourth foam cushion components.

38. The cushioning article of claim 37, wherein each of the first and second foam cushion components includes layers that emanate from a base and the layers of the first foam

cushion component are alternated with the layers of the second foam cushion component, and each of the third and fourth foam cushion components includes layers that emanate from a base and the layers of the third foam cushion component are alternated with the layers of the fourth foam cushion component.

39. The cushioning article of claim 38, wherein the layers of the first and second foam cushion components have a shorter height than the layers of the third and fourth foam cushion components.

40. The cushioning article of claim 38, wherein the layers of the first, second, third and fourth foam cushion components are each made of a different type of foam.

41. The cushioning article of claim 38, wherein each layer of the first, second, third and fourth foam cushion component has a height and a thickness, and wherein a ratio of the height to the thickness is at least 2.5.

42. The cushioning article of claim 35, further comprising:

a second foam cushion, the first foam cushion being positioned on top of the second foam cushion.

43. The cushioning article of claim 35, wherein the layers comprise alternating types of foam.

44. The cushioning article of claim 43, wherein the alternating types of foam have different IFDs.

45. The cushioning article of claim 35, wherein each of the layers has a height and a thickness, and wherein a ratio of the height to the thickness is at least 2.5.

46. A method for manufacturing a mattress comprising:

stacking sheets of foam along an axis to form a layered foam block;

cutting the layered foam block along the axis to form a foam cushion comprising layers of foam; and

orienting the foam cushion within the mattress to cause layers of foam to be arranged along a length of the mattress.

47. The method of claim 46, wherein a thickness of each of one or more layers of the layers of foam is less than a height of each of the one or more layers of the layers of foam.

48. The method of claim 46, wherein the foam cushion is oriented on top of a base layer of the mattress.

49. The method of claim 46, wherein the foam cushion is surrounded by a side layer of the mattress.

50. The method of claim 46, wherein cutting the layered foam block along the axis comprises performing a linear cut.

51. The method of claim 46, wherein cutting the layered foam block along the axis comprises performing non-linear cuts to create gaps between the layers of foam.

52. The method of claim 46, further comprising:

bonding together the stacked sheets of foam prior to cutting the layered foam block.

53. The method of claim 46, further comprising:

bonding together the layers of foam after cutting the layered foam block.

54. The method of claim 46, further comprising:

bonding the foam cushion to another cushioning layer comprising one or more of springs, foam, quilted panels, gelatinous elastomer, or air bladders.

55. The method of claim 54, further comprising:

applying a fabric cover overtop the foam cushion.

56. The method of claim 46, wherein the layers of foam comprise alternating types of foam have different IFDs.

57. The method of claim 46, wherein each of the layers has a height and a thickness, and wherein a ratio of the height to the thickness is at least 2.5.

58. A method for assembling a foam cushion comprising:

obtaining a first foam cushion component that includes a base and layers that emanate from the base;

obtaining a second foam cushion component that includes a base and layers that emanate from the base; and

inserting the layers of the first foam cushion component between the layers of the second foam cushion component to form the foam cushion.

59. The method of claim 58, wherein the layers of the first foam cushion component are inserted between the layers of the second foam cushion component in a zipper fashion.

60. The method of claim 58, further comprising:

applying glue to ends of the layers of the first and second foam cushion components before inserting the layers of the first foam cushion component between the layers of the second foam cushion component.

61. The method of claim 60, wherein the ends are rounded.

62. The method of claim 58, further comprising:

applying a lubricant to ends of the layers of the first and second foam cushion components before inserting the layers of the first foam cushion component between the layers of the second foam cushion component.

63. The method of claim 62, wherein the lubricant is mixed with an adhesive.

64. The method of claim 58, wherein the layers of the first foam cushion component are formed of a first type of foam and the layers of the second foam cushion component are formed of a second type of foam.

65. The method of claim 64, wherein the first and second types of foam have different IFDs.

66. The method of claim 58, wherein each of the layers has a height and a thickness, and wherein a ratio of the height to the thickness is at least 2.5.