



# Leseprobe

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## **Nature's Dance**

The Captivating  
Choreography of Birds, Fish  
& Insects

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Mehr Informationen zum Buch gibt es auf

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## Inhalte

## ALL TOGETHER NOW!

Did you know that many animals need to belong to a huge group made up of others just like them to survive, as if they were a large extended family or a bunch of friends? They group together to move about, hunt, defend themselves, or simply communicate. These groupings can even reach more than 40,000 cohorts, cousins, aunties, grandparents, and neighbors ...

But how do they manage to organize themselves? How do they all fly, walk, or swim at the same time without bumping into each other?

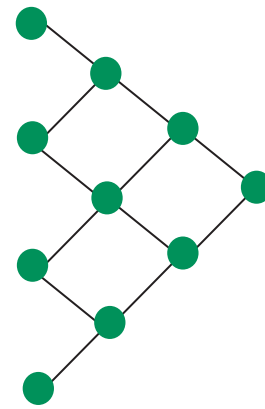
They form large group choreographies in which movements are well thought out and calculated, following a series of instinctive rules. They are characterized by the collaboration between dance partners. There are no leaders who stand out. Each individual plays a part in relationship with their neighbors, and everyone is important.

Whether it's flocks of birds with their winding shapes, swirling schools of fish, or pulsating swarms of bees, the important thing is to always keep an eye on one's neighbors. Don't lose sight of them!

In the following pages, you'll discover six choreographies found in nature of animals dancing in the air, underwater, and on the ground. Each one follows three simple rules. Separation: avoid colliding with others. Alignment: adapt to the path taken by the group. Cohesion: direct yourself toward the common goal.

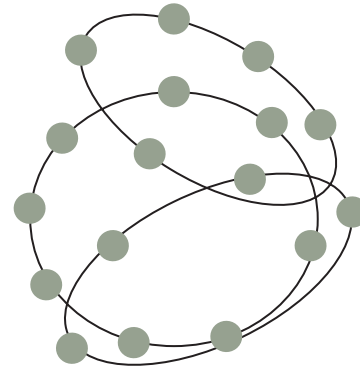
So, let's join the others and follow their lead! We'll explain in greater detail how they manage to amaze us with their movements. And a one, and a two, and ...

1



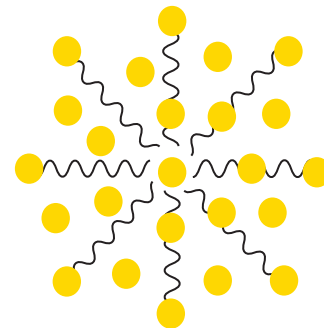
**FORMATION**  
Geese in a "V" shape save energy

2



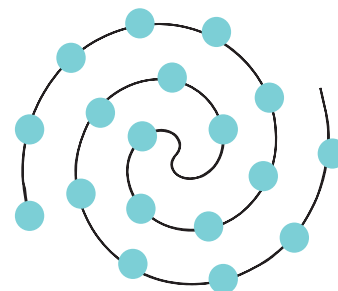
**ACROBATICS**  
The magical flight of starlings

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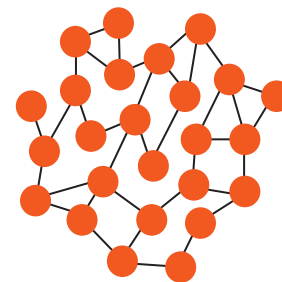
**VIBRATION**  
Bees on the dance floor

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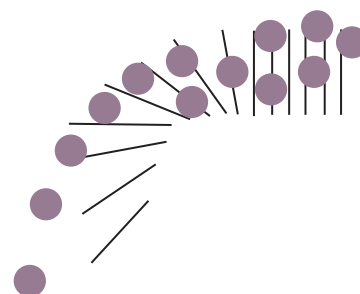
**ROTATION**  
Synchronized sardine spirals

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**IN LINE**  
The ant community

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**ALL IN A ROW**  
Penguin dominoes

