Variety is the Spice of Sliding

Exploring the range of skills and movements with PSIA's 5 Fundamentals

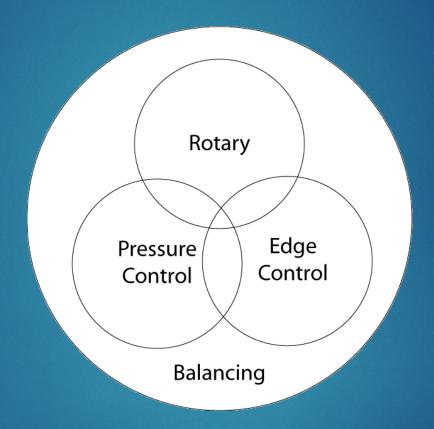
Ron LeMaster & Mike Porter November 15, 2016

Skiing in the Moment





The Skills Concept



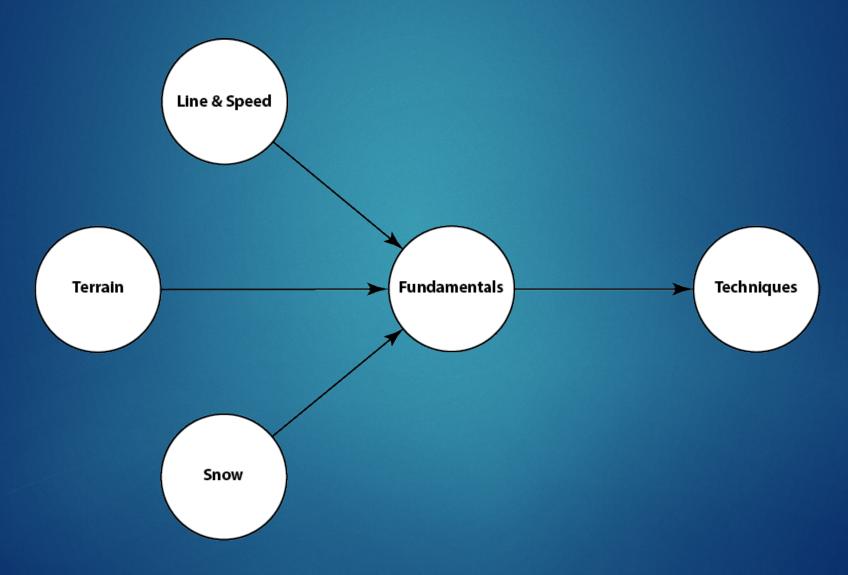
We teach skills, not specific turns

- Control the relationship of the Center of Mass to the base of support to direct pressure along the length of the skis
- Control pressure from ski to ski and direct pressure toward the outside ski
- Control edge angles through a combination of inclination and angulation
- Control the skis' rotation (turning, pivoting, steering) with leg rotation, separate from the upper body
- Regulate the magnitude of pressure created through ski/snow interaction

Each describes a type of interaction we have with the snow, through our skis

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Tactics Drive Technique



Why These Principles?

- Each is equally important
- They appear, coordinated, in virtually every good turn
- Each has distinctly different purposes
- Varying the skill blend in response to the situation at hand is a cornerstone of good skiing

Control the relationship of the Center of Mass to the base of support to direct pressure along the length of the skis

















Control the relationship of the Center of Mass to the base of support to direct pressure along the length of the skis

- ► Mhàs
 - Maintain stability
 - Accurately control how the ski turns

Control pressure from ski to ski and direct pressure toward the outside ski







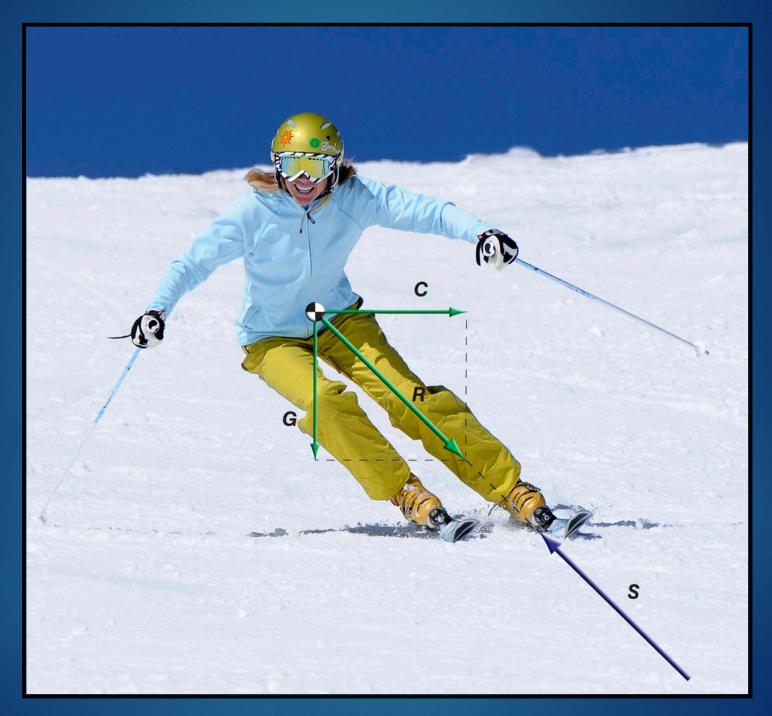


Control pressure from ski to ski and direct pressure toward the outside ski

- ► Mhàs
 - Use each ski for different purposes
 - The outside ski is the one that does the best job of holding and making you turn
 - Physiology
 - ▶ Edge angle

Control edge angles through a combination of inclination and angulation







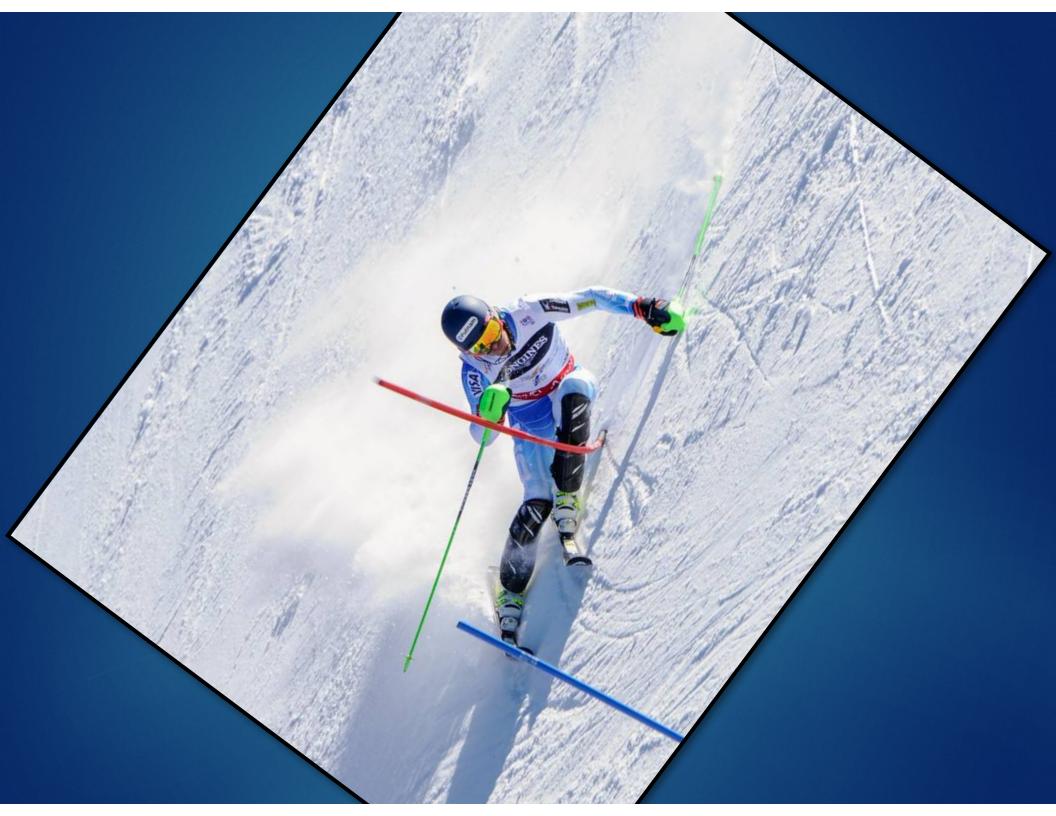








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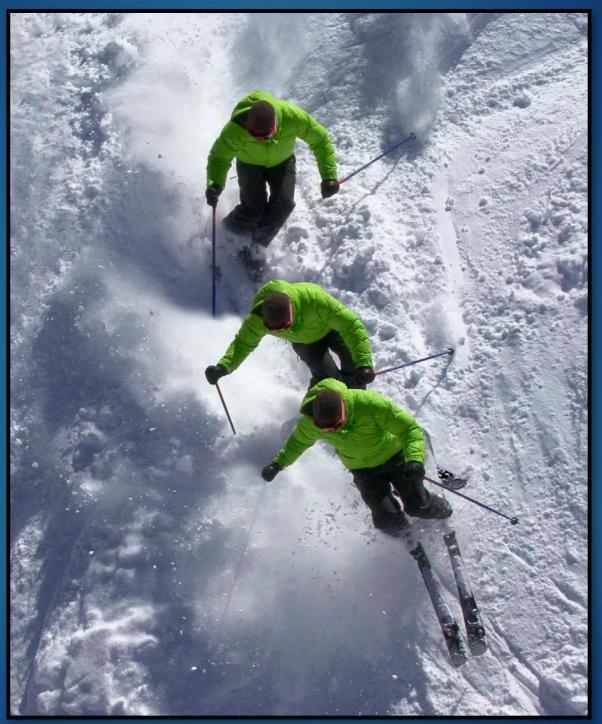


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Control edge angles through a combination of inclination and angulation

- ► Mhàs
 - ► Hold/slip, carve/shape
 - Control turn radius
 - You have to change edges to change direction
 - Incline to anticipate the force of the turn and to be centered on the new outside ski

Control the skis rotation (turning, pivoting, steering) with leg rotation, separate from the upper body





















Control the skis rotation (turning, pivoting, steering) with leg rotation and coordinated upper-body movements

- ► Mhàs
 - Control the direction the snow is pushing on you
 - Speed control
 - ▶ To achieve your desired line
 - Extract a turning force from the snow

Regulate the magnitude of pressure created through ski/snow interaction





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Regulate the magnitude of pressure created through ski/snow interaction

- ► Mhàs
 - Maintain stability
 - Control the ski's engagement with the snow
 - Light, so you can manipulate the ski
 - Strong, so the snow can make you move in a different direction or slow you down

Mixing and Matching Fundamentals and Movements

Intended outcomes and personal style determine the blend of skills and movements

Example: Skiing through Bumps







Transitions





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A Variety of Transitions



















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What's Bode Doing?





The Instructor's Job

- Teach skiers to ski with intention, consciously choosing their tactics at all times
- Determine what fundamental interactions with the snow are needed
- Determine what movements will best produce those interactions
- Keep verbal communication simple, concrete, and non-technical
- ▶ Teach with tasks when possible

The Instructor's Job

- ▶ Teach skills, not maneuvers
- Drills for skills, not talk
- Invent learning experiences
 - Let the task do the teaching

The 5 Fundamentals

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- Control the skis' rotation (turning, pivoting, steering) with leg rotation, and coordinated upper body movements
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Building Turns on the Fly



