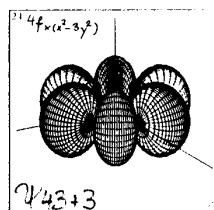
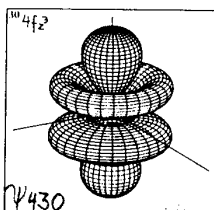
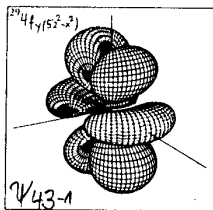
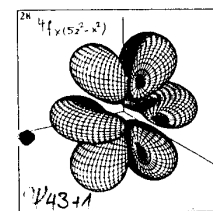
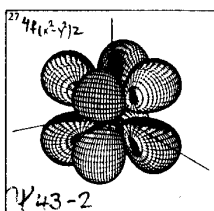
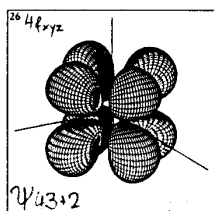
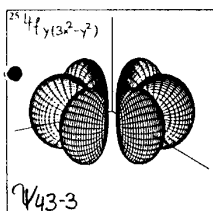
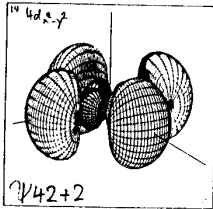
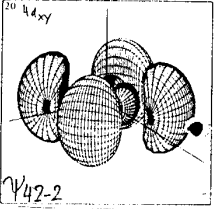
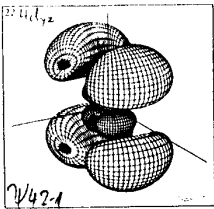
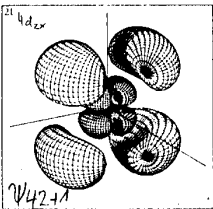
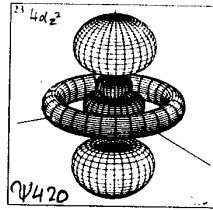
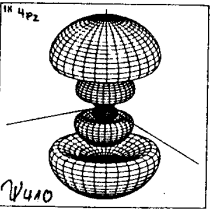
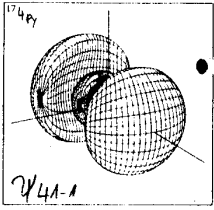
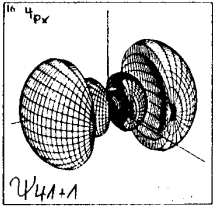
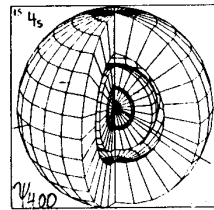
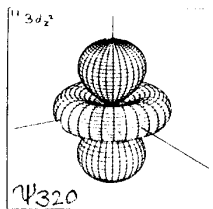
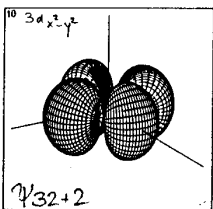
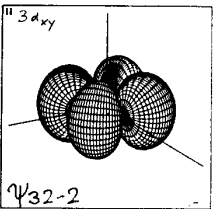
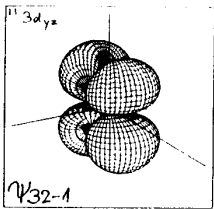
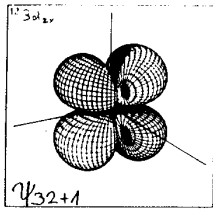
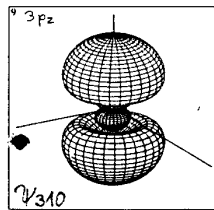
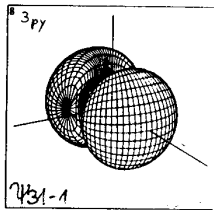
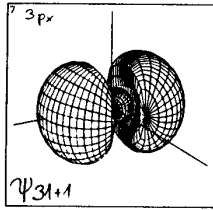
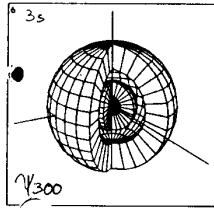
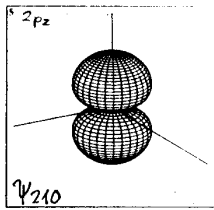
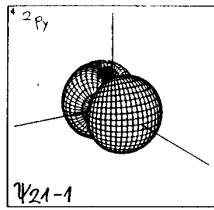
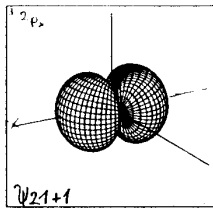
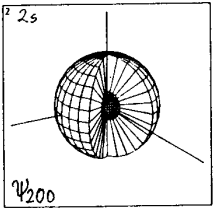


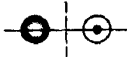


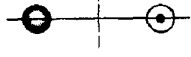

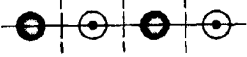
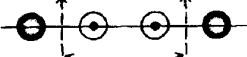
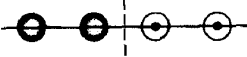
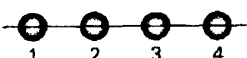
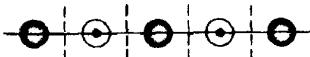
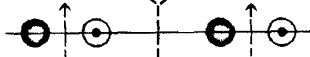
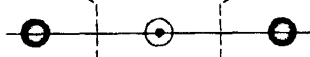

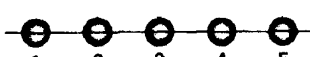
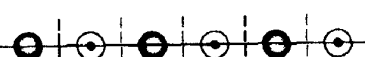





# T 5 Orbitalformen



		<p style="text-align: right;"><b>T7</b></p> <p><math>1s + 1s \quad 1s\sigma</math></p> <p><math>1s - 1s \quad 1s\sigma^*</math></p>
		<p><math>2p_z + 2p_z \quad 2p\sigma</math></p> <p><math>2p_z - 2p_z \quad 2p\sigma^*</math></p>
		<p><math>1s + 2p_z \quad 1s2p\sigma</math></p> <p><math>1s - 2p_z \quad 1s2p\sigma^*</math></p>
		<p><math>2p + 2p \quad 2p\pi</math></p> <p><math>2p - 2p \quad 2p\pi^*</math></p>

## Grafik 9: Lineare (eindimensionale) Moleküle

(Im Unterschied zur Grafik G8 ist hier die tatsächliche Verteilung der Knoten festgehalten.)

		number of nodes	number of net bonding interactions
$n = 2$		1	-1
		0	1
$n = 3$		2	-2
		1	0
		0	2
$n = 4$		3	-3
		2	-1
		1	1
		0	3
$n = 5$		4	-4
		3	-2
		2	0
		1	2
		0	4
$n = 6$		5	-5
		4	-3
		3	-1
		2	1
		1	3
		0	5

Molecular orbital nodal patterns for two to six atoms in a "linear" chain, where each atom contributes one atomic orbital to the LCAO mo's.