

# Movie of Hydrogen-like Bonding

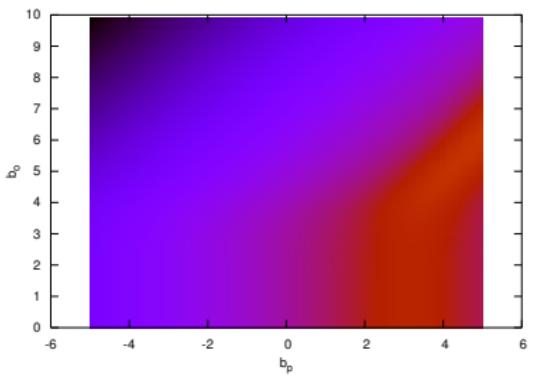
Jarosław Krawczyk  
Aleks Owczarek   Thomas Prellberg  
Andrew Rechnitzer

QMUL

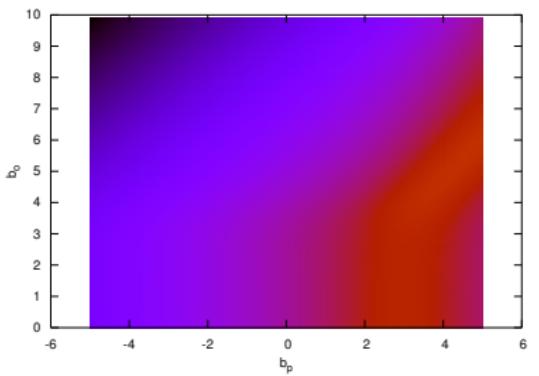
MASCOS — University of Melbourne

April 5, 2006

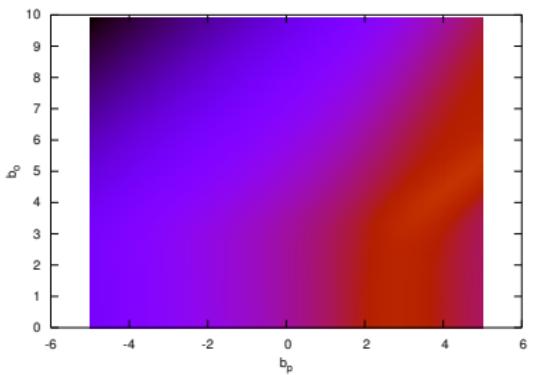
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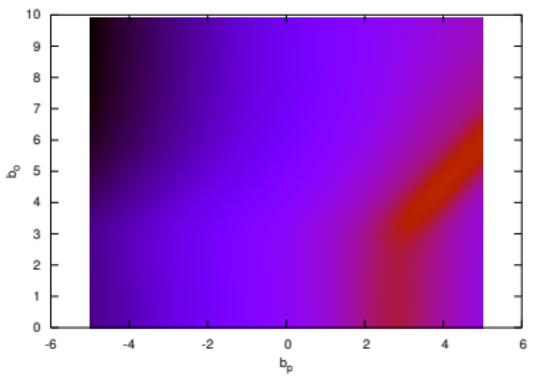
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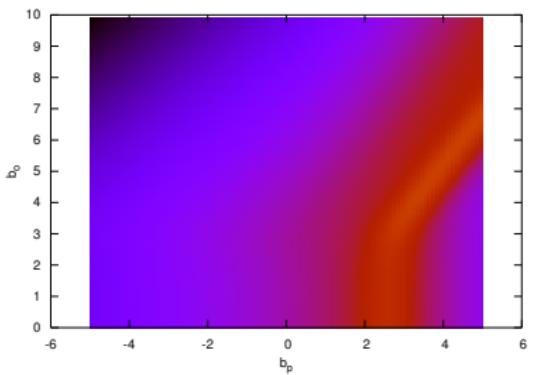
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$n = 14$



$n = 15$

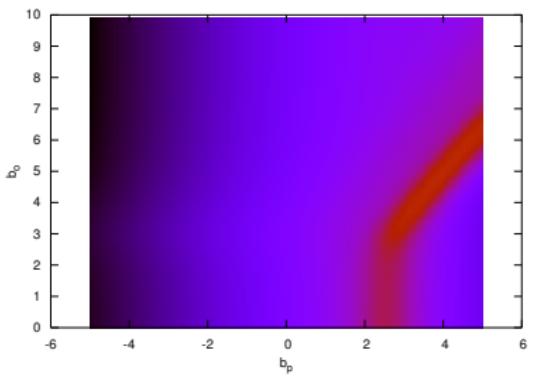


# Hydrogen-like bonding

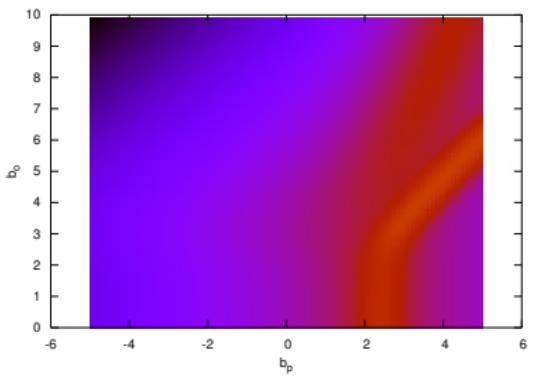
Movie of  
Hydrogen-like  
Bonding

Krawczyk

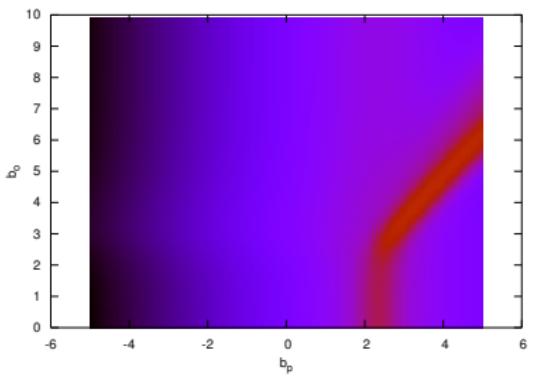
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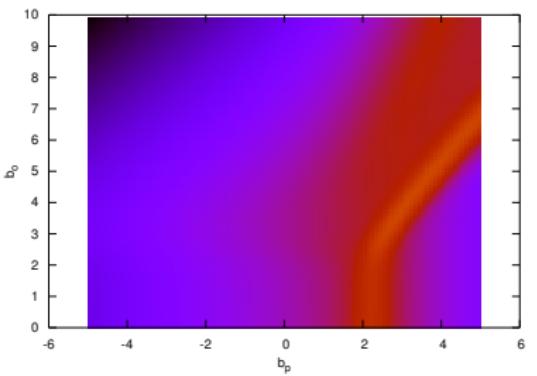
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$n = 18$



$n = 19$

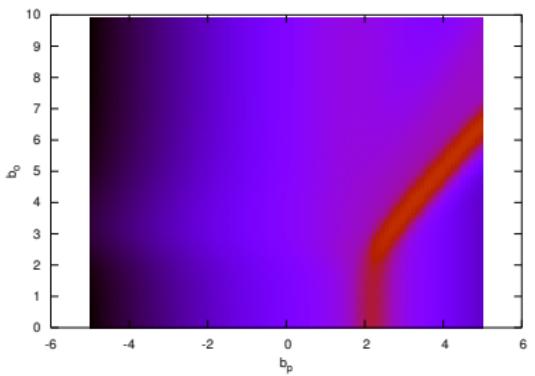


# Hydrogen-like bonding

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$n = 20$

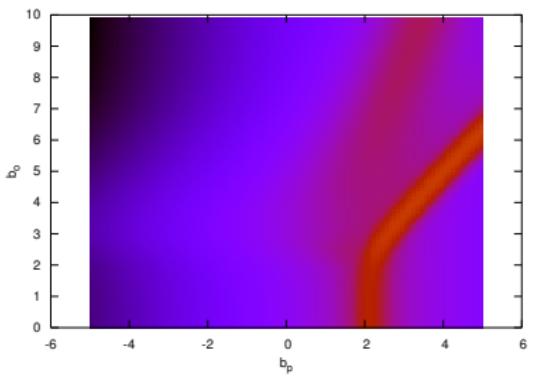


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

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$n = 21$

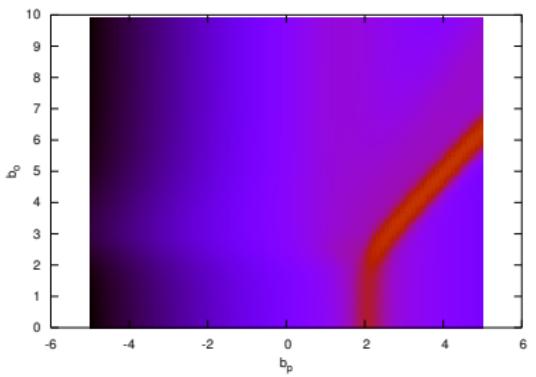


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 22$

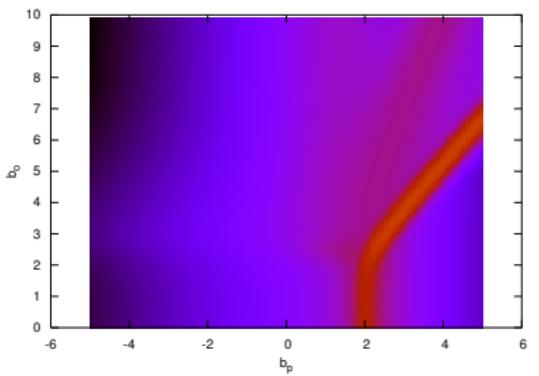


# Hydrogen-like bonding

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Krawczyk

$n = 23$

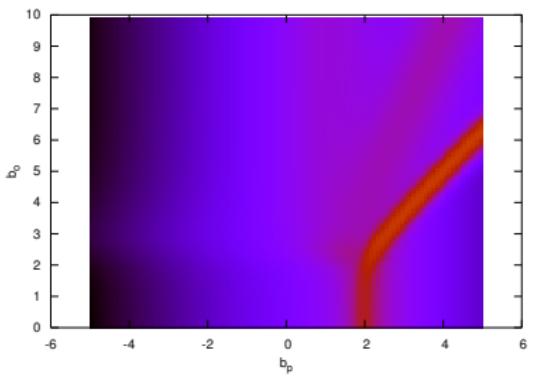


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 24$

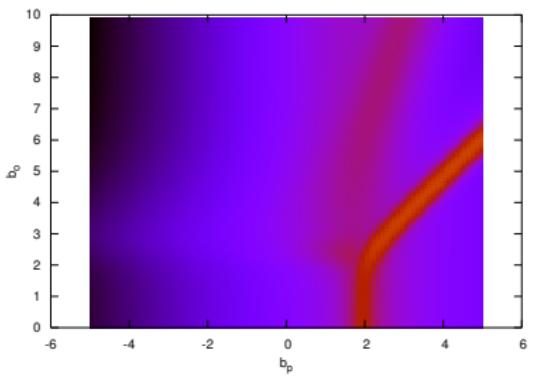


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 25$

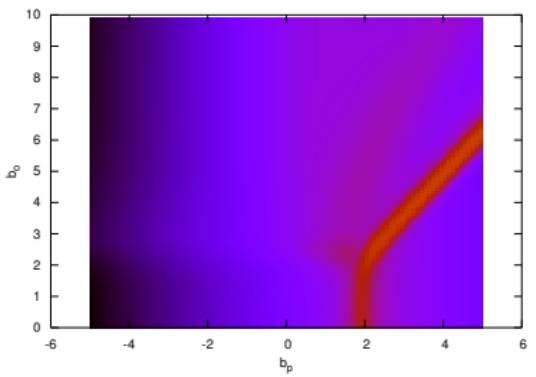


# Hydrogen-like bonding

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Krawczyk

$n = 26$

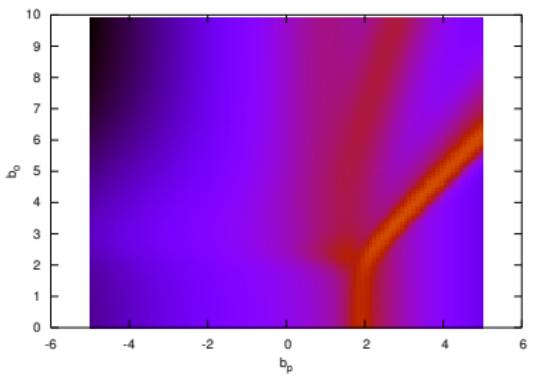


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 27$

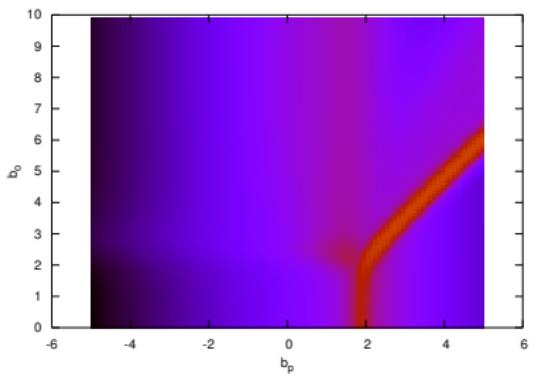


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 28$

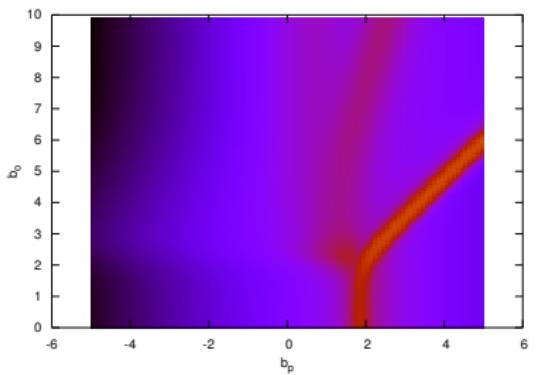


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 29$

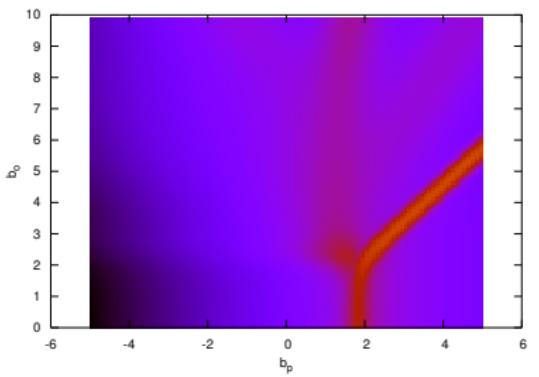


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 30$

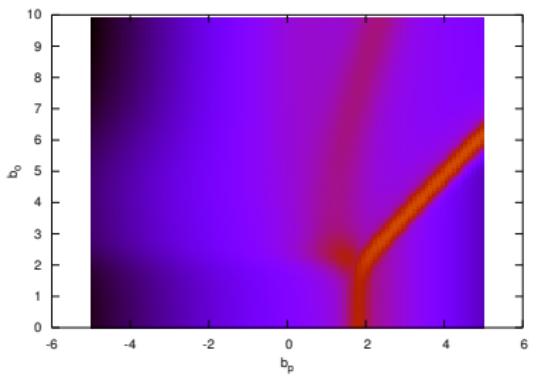


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 31$

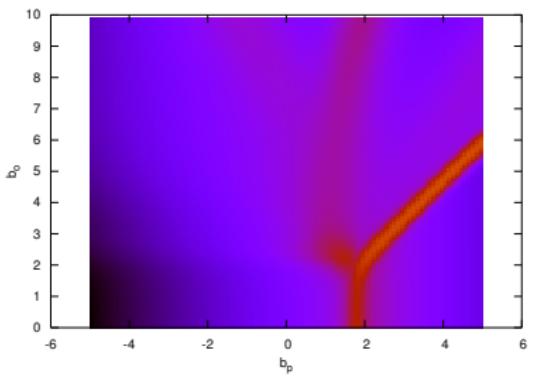


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 32$

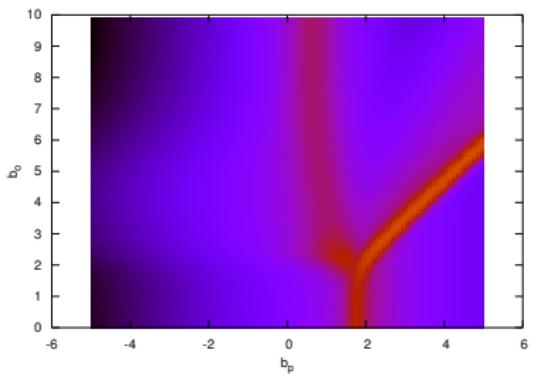


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 33$

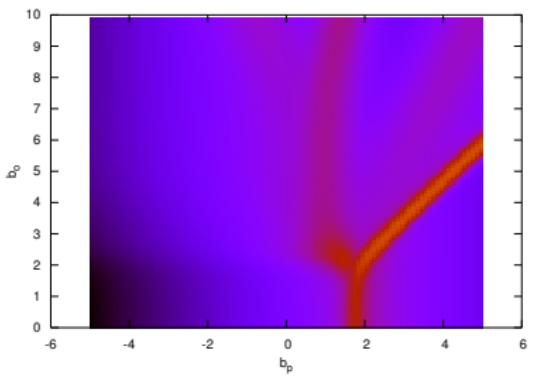


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 34$

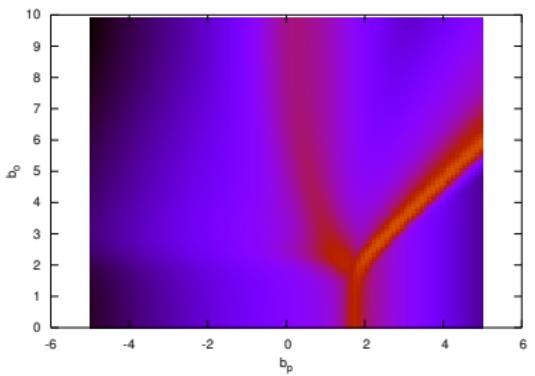


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 35$

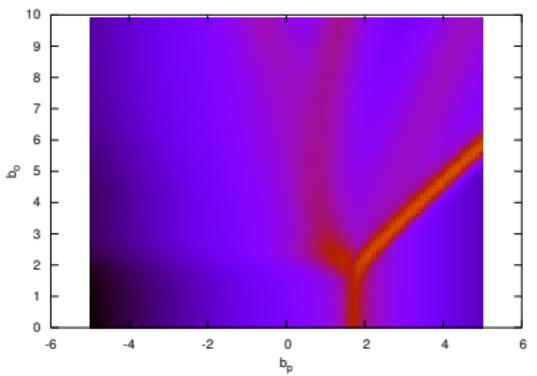


# Hydrogen-like bonding

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Bonding

Krawczyk

$n = 36$

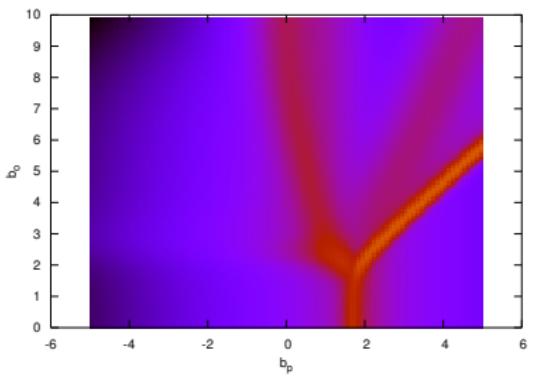


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 37$

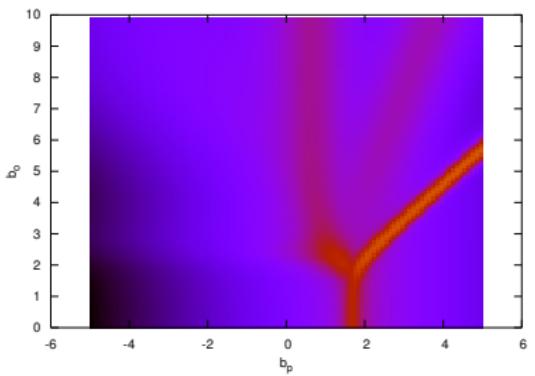


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 38$

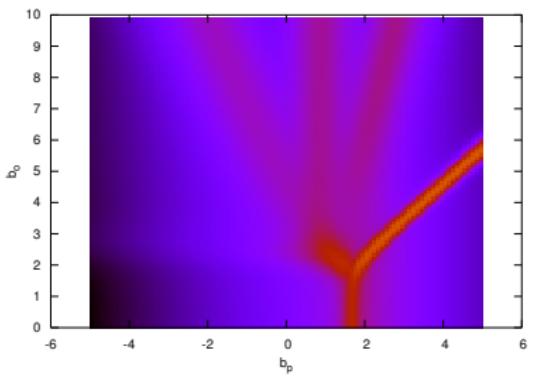


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 39$

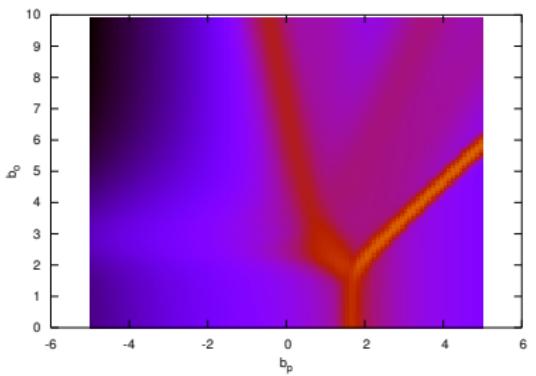


# Hydrogen-like bonding

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Hydrogen-like  
Bonding

Krawczyk

$n = 40$

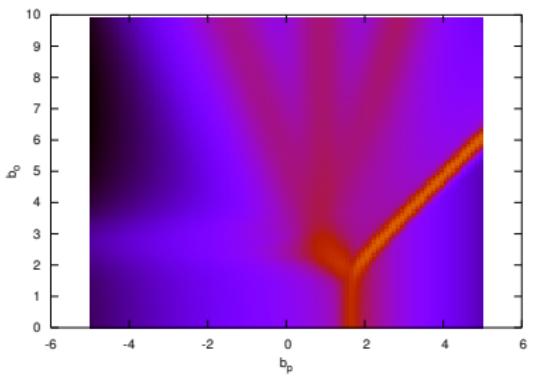


# Hydrogen-like bonding

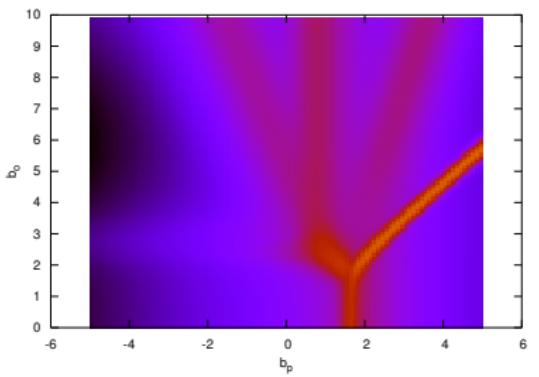
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 41$



$n = 42$

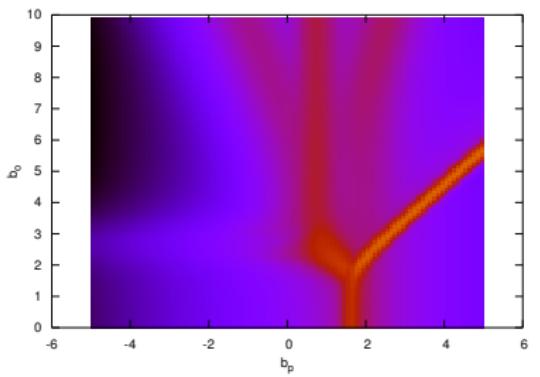


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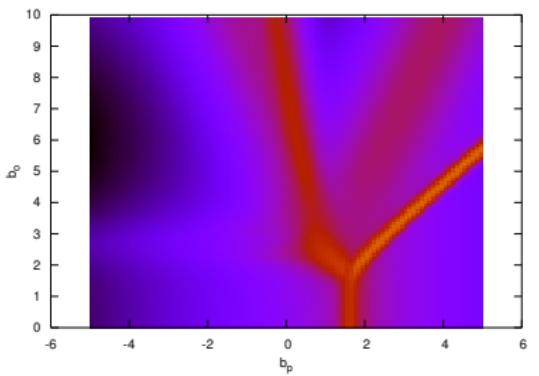
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 43$



$n = 44$

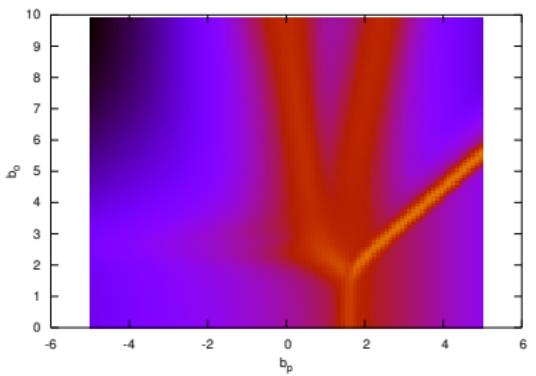


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 45$

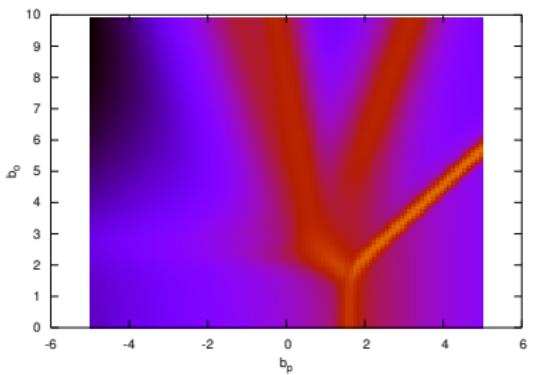


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 46$

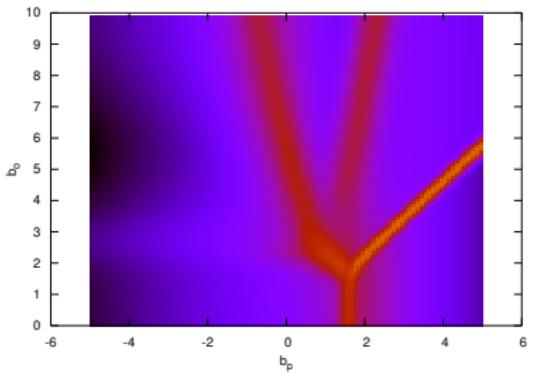


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 47$

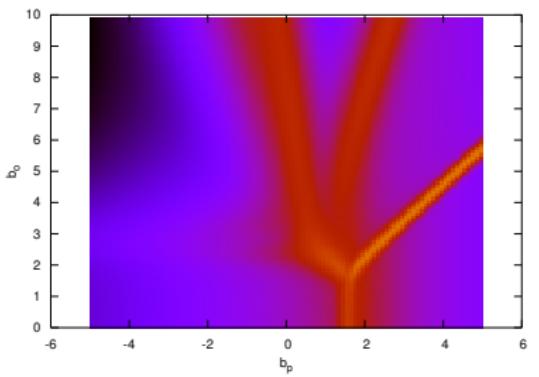


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 48$

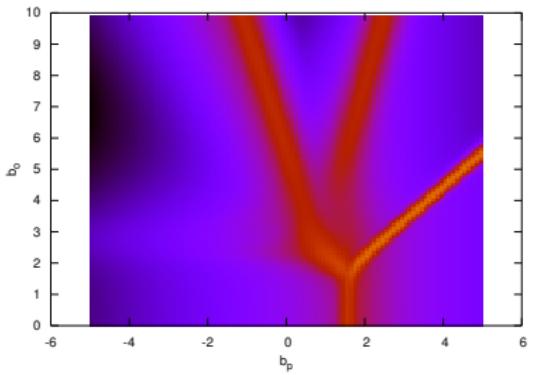


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 49$

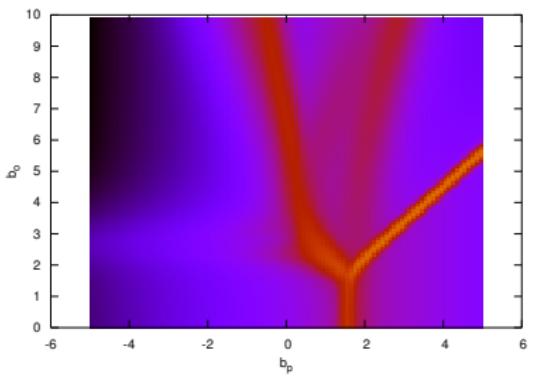


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 50$

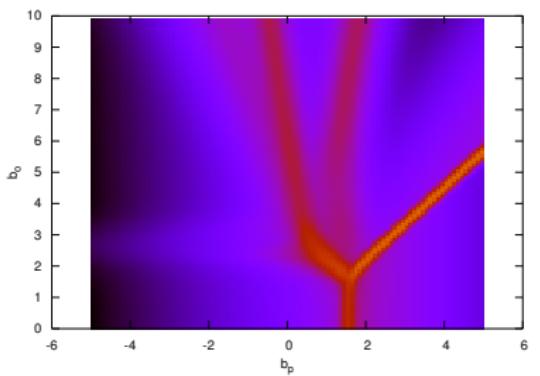


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 51$

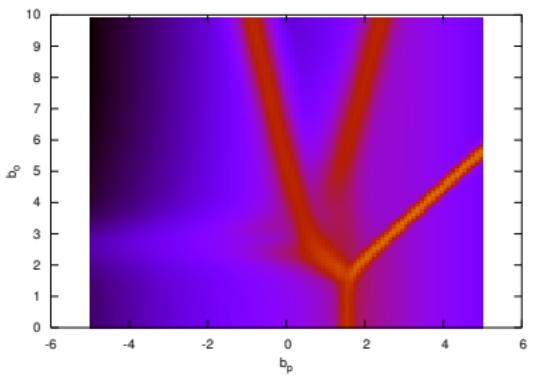


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 52$

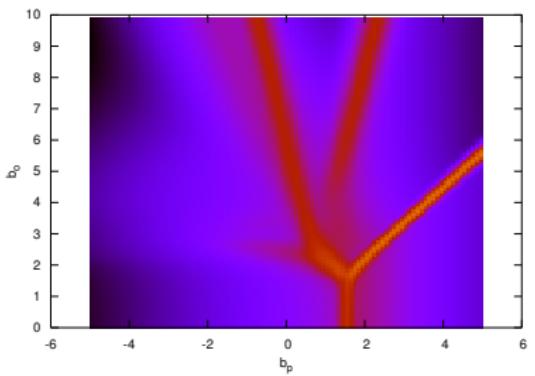


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 53$

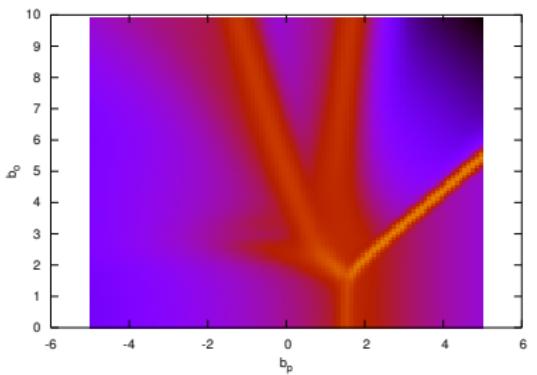


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 54$

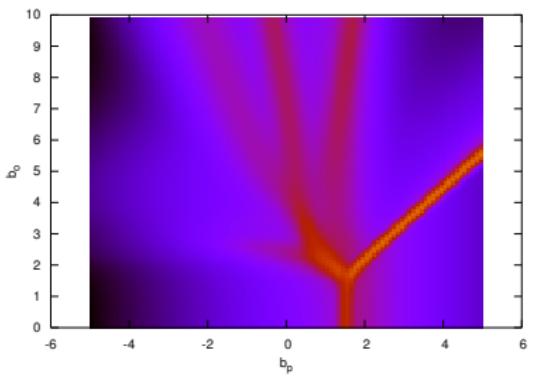


# Hydrogen-like bonding

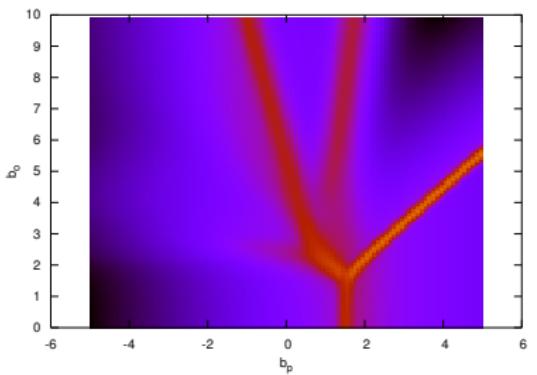
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 55$



$n = 56$

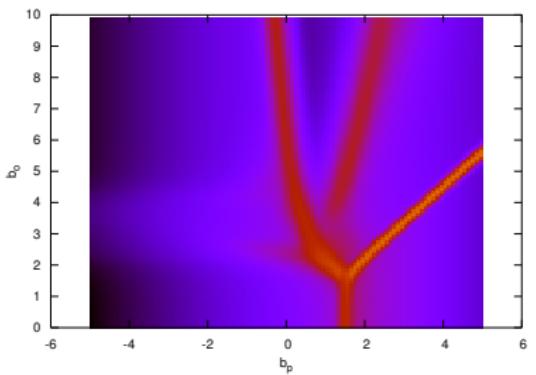


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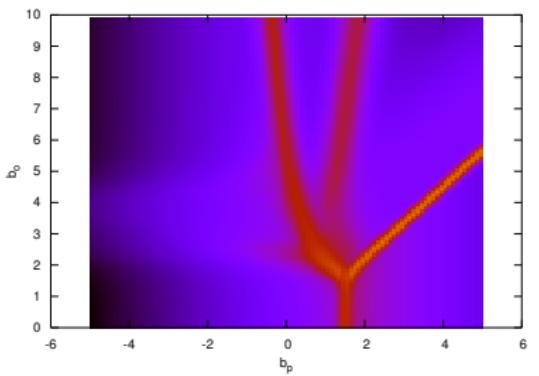
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 57$



$n = 58$

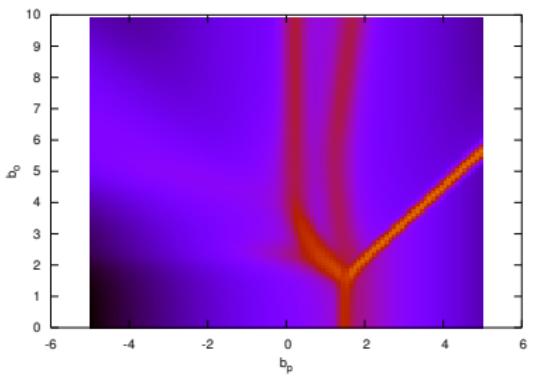


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 59$

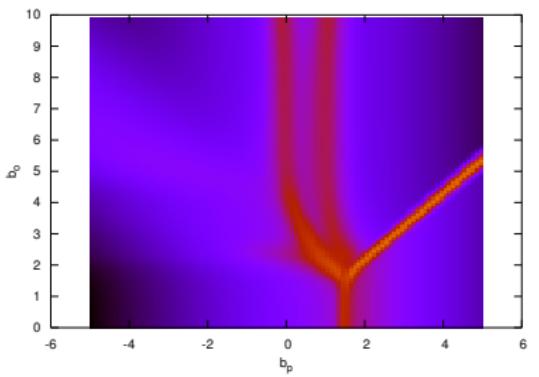


# Hydrogen-like bonding

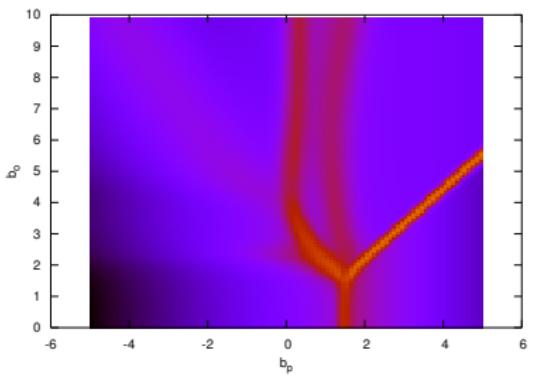
Movie of  
Hydrogen-like  
Bonding

Krawczyk

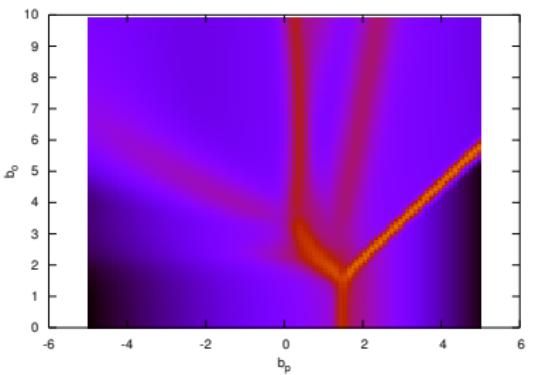
$n = 60$



$n = 61$



$n = 62$

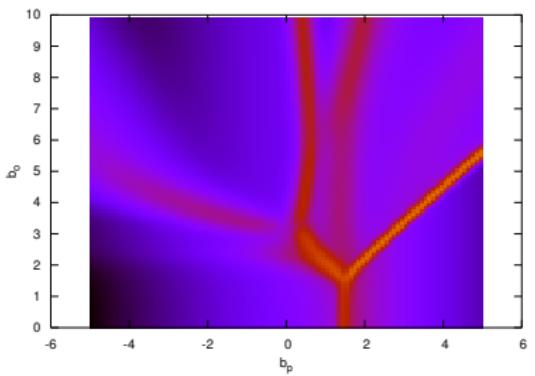


# Hydrogen-like bonding

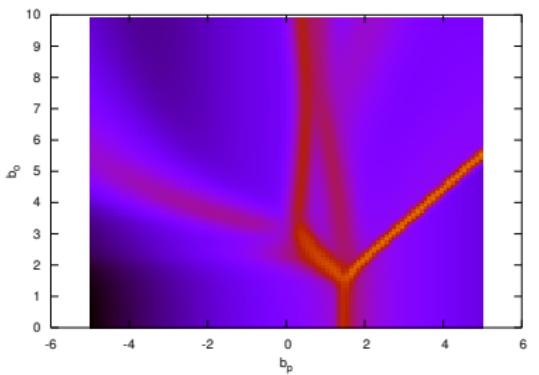
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 63$



$n = 64$

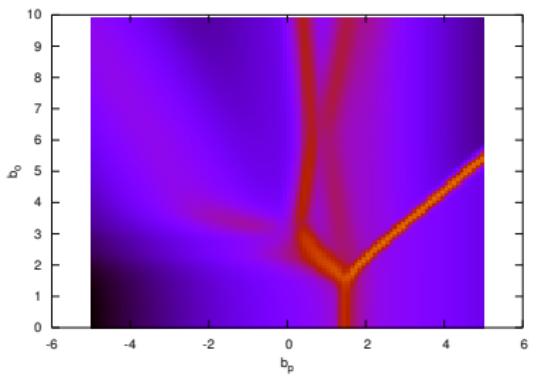


# Hydrogen-like bonding

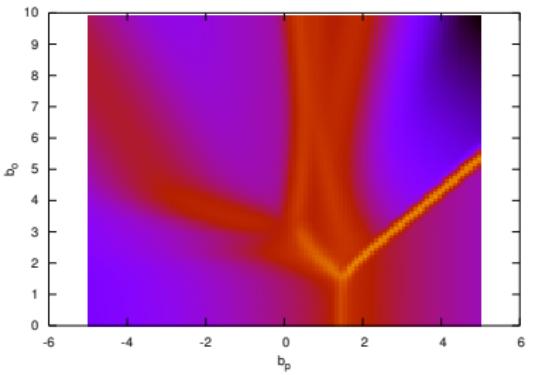
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 65$



$n = 66$

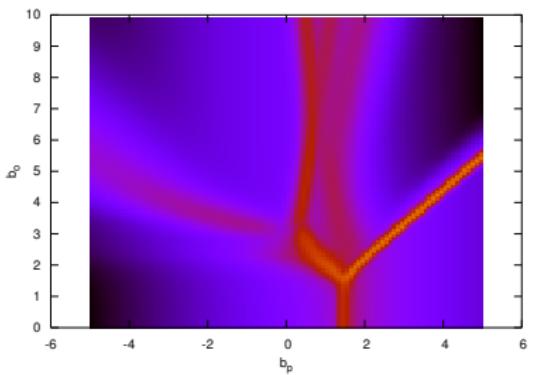


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 67$

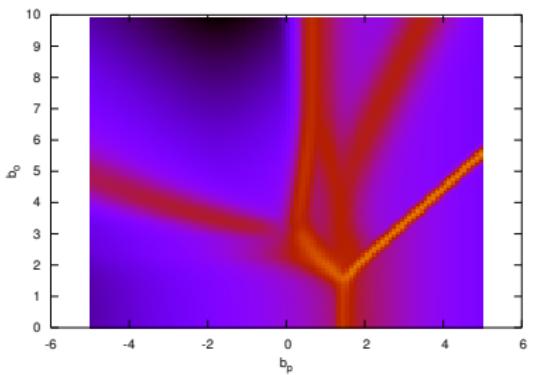


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 68$

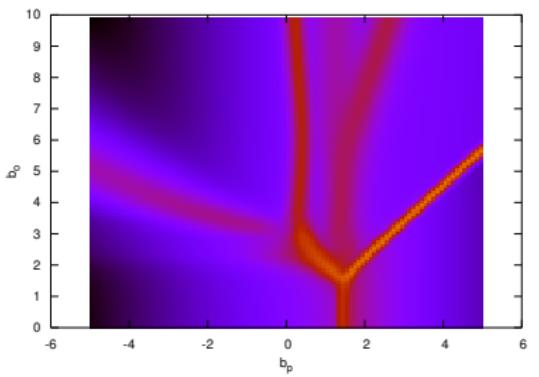


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 69$

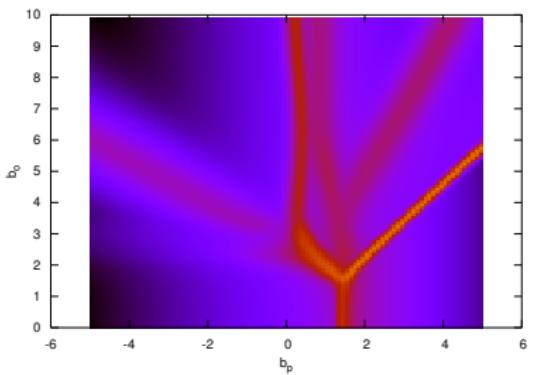


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 70$

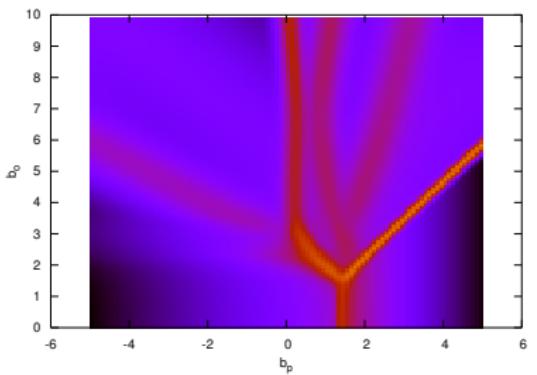


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 71$

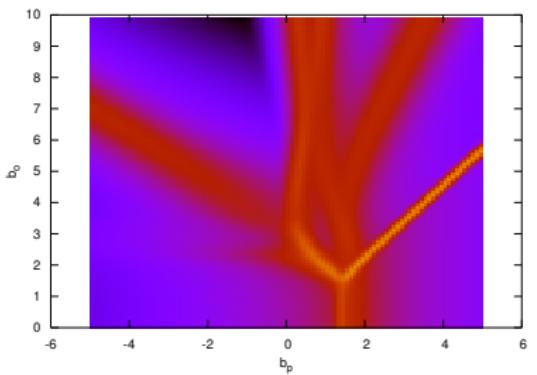


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 72$

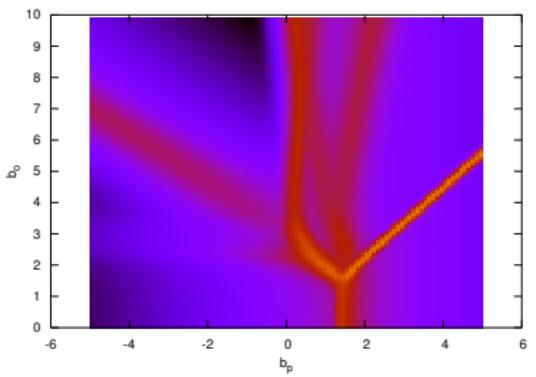


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 73$

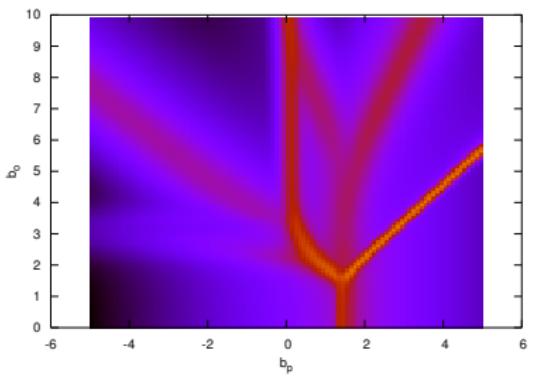


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 74$

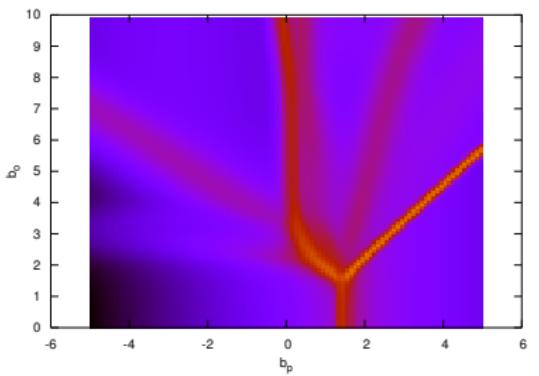


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 75$

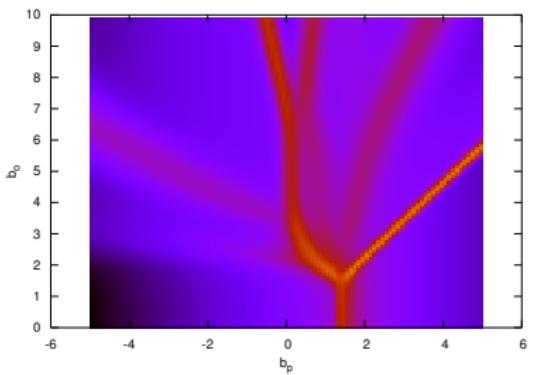


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 76$

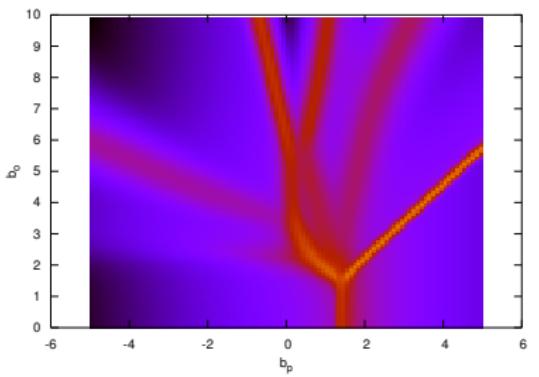


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 77$

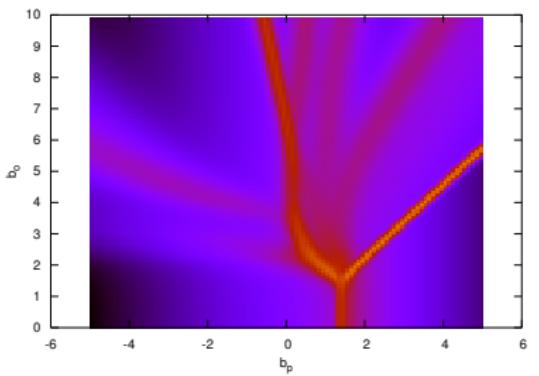


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 78$

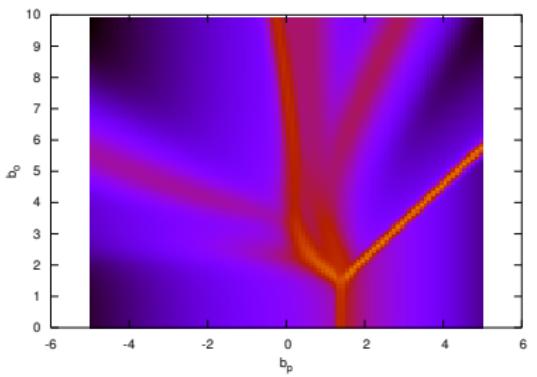


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 79$

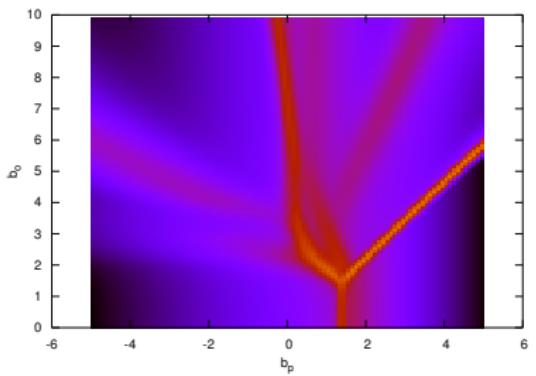


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 80$

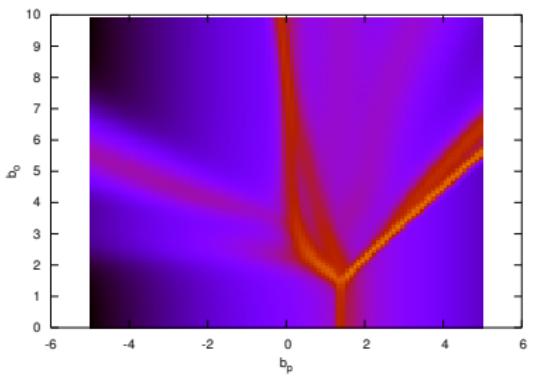


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 81$

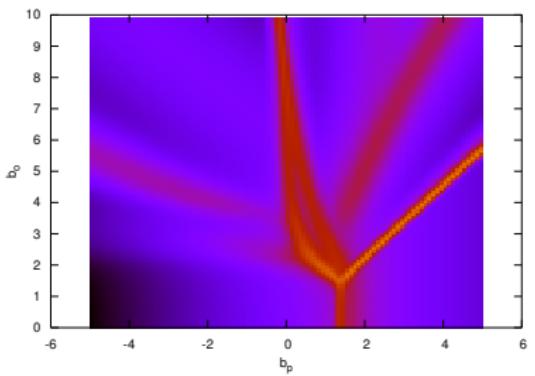


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 82$

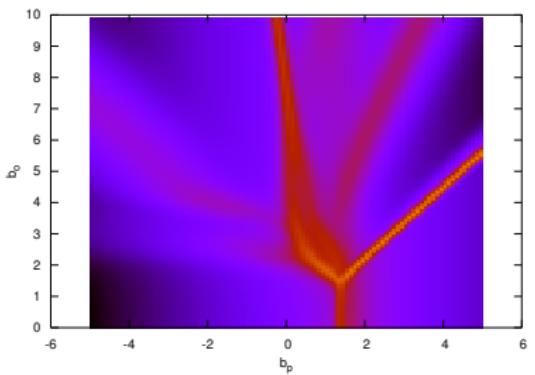


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 83$

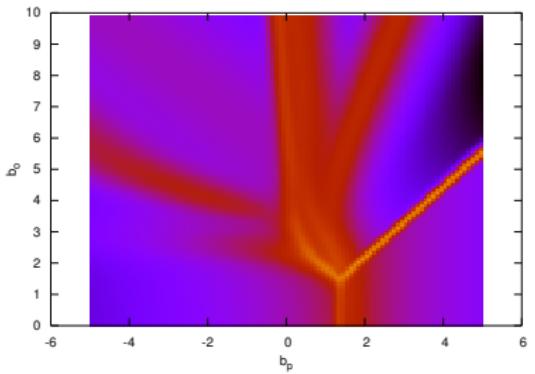


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 84$

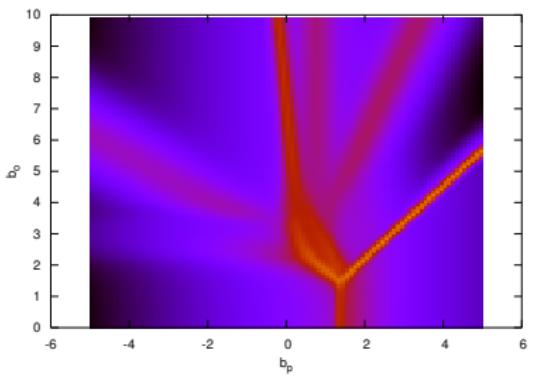


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 85$

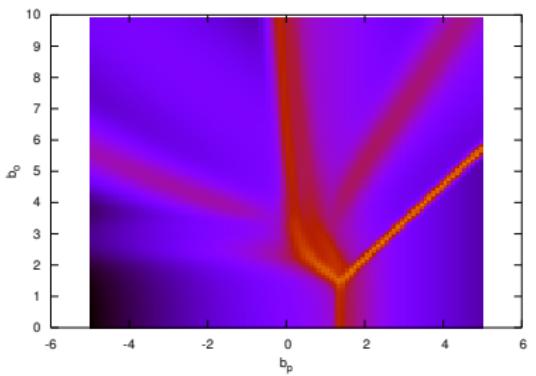


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 86$

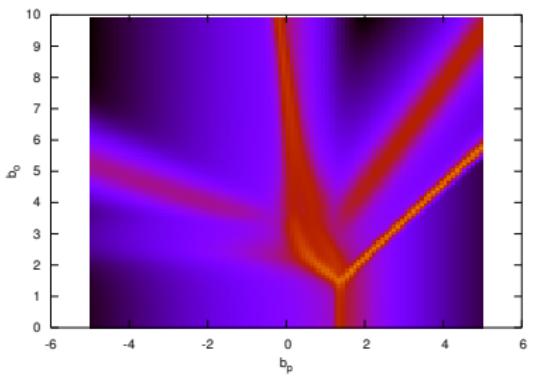


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 87$

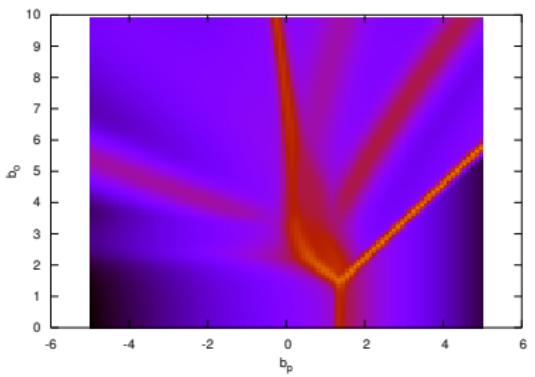


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 88$

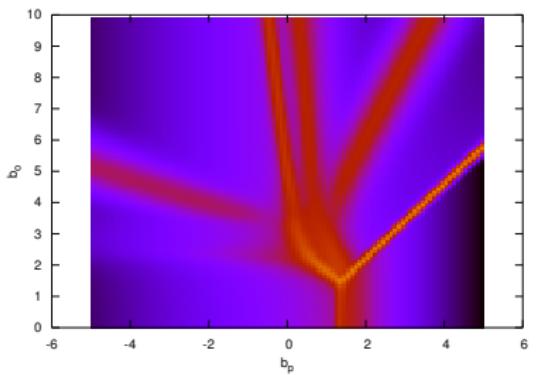


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 89$

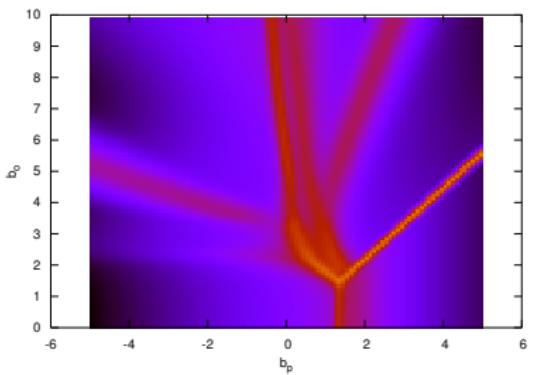


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 90$

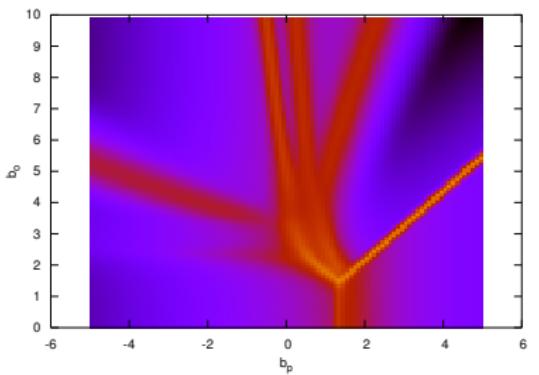


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 91$

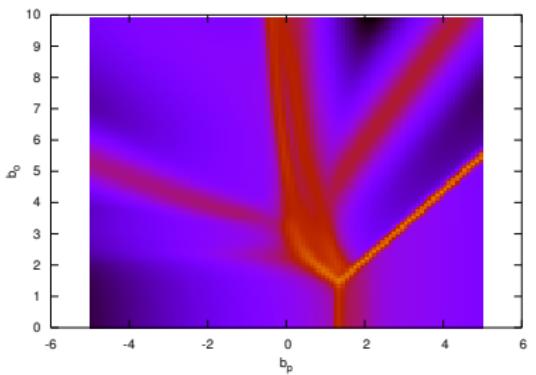


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 92$

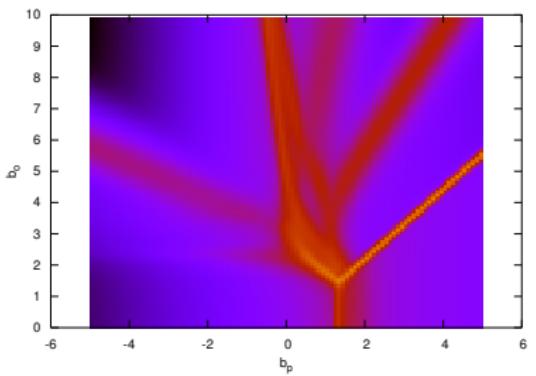


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 93$

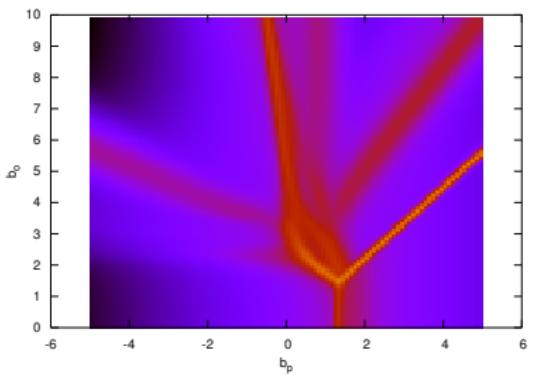


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 94$

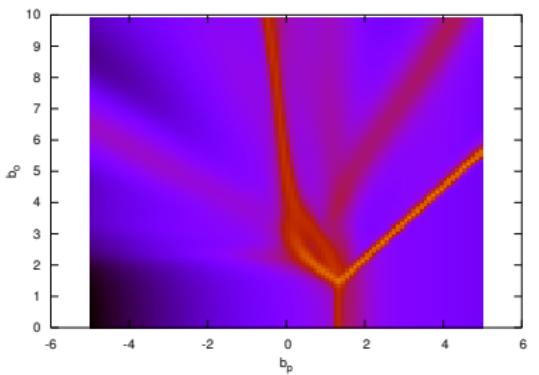


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 95$

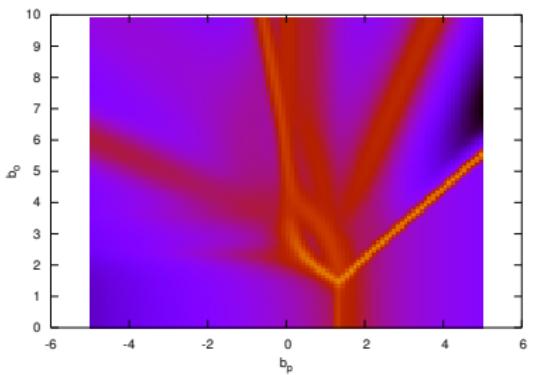


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 96$

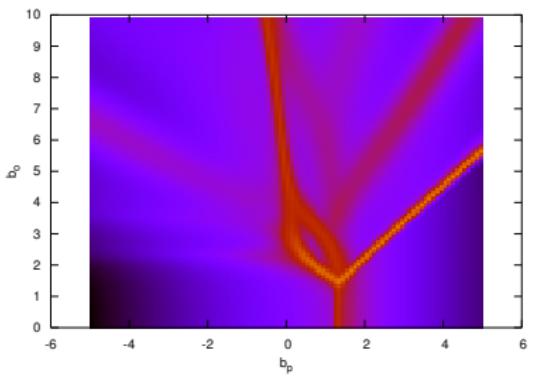


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 97$

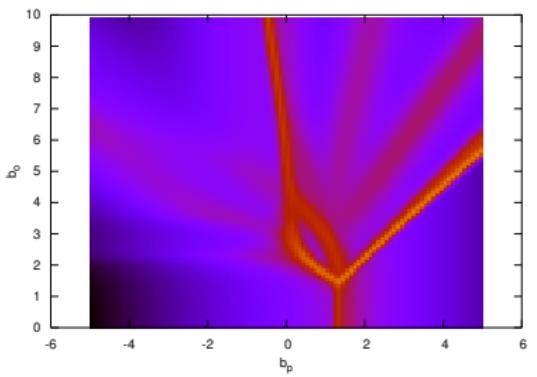


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 98$

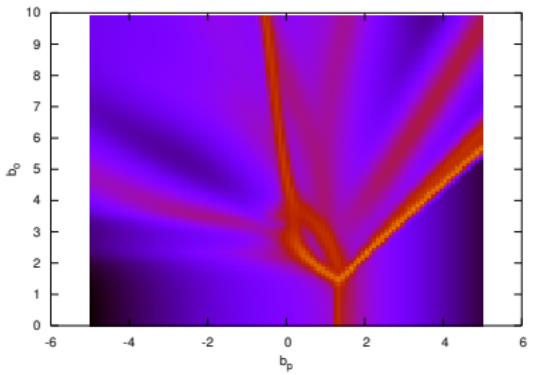


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 99$

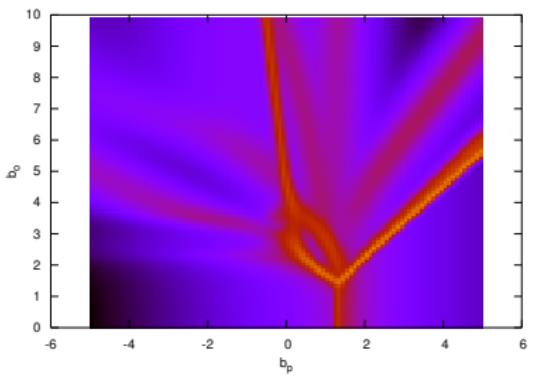


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 100$

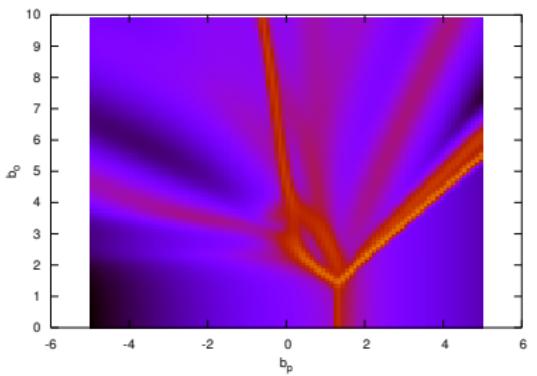


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 101$

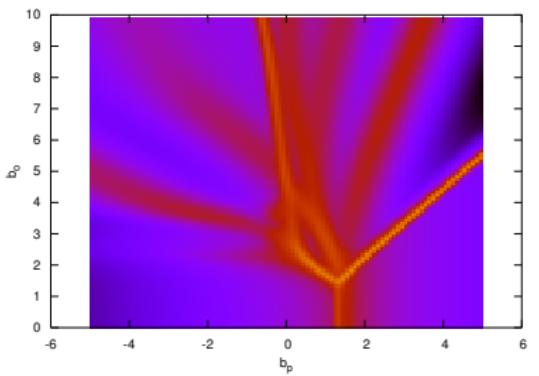


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 102$

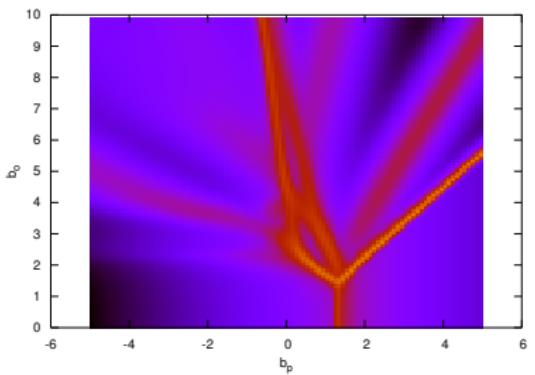


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 103$

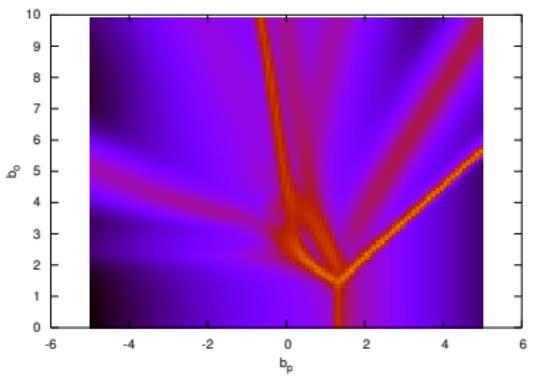


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$$n = 104$$

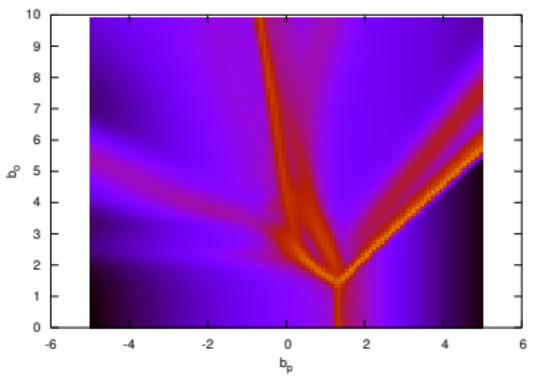


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$$n = 105$$

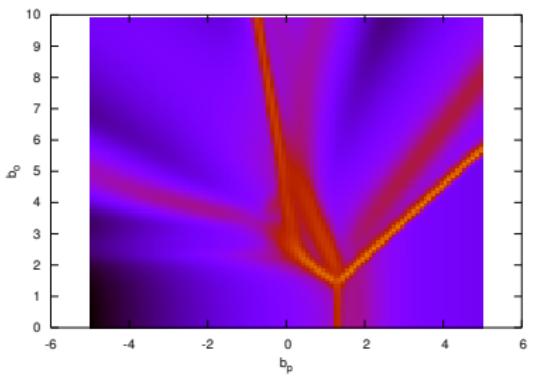


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$$n = 106$$

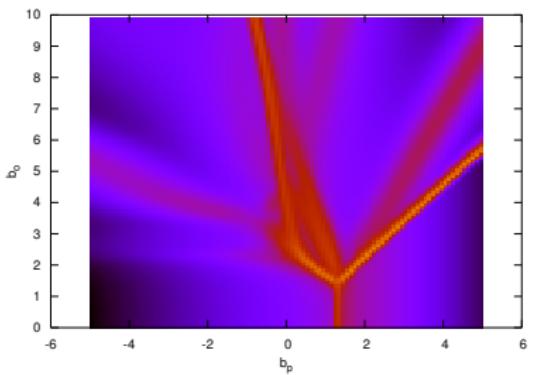


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 107$

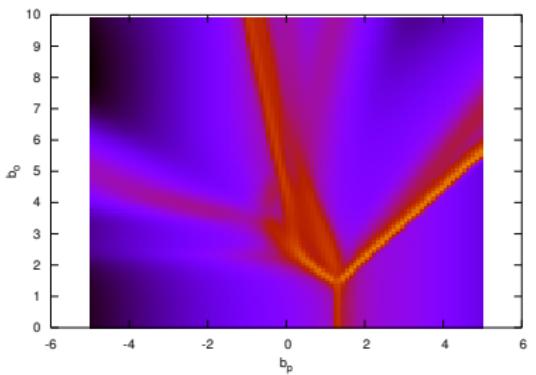


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$$n = 108$$

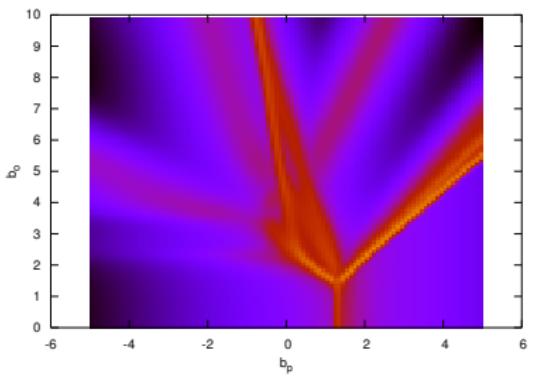


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$$n = 109$$

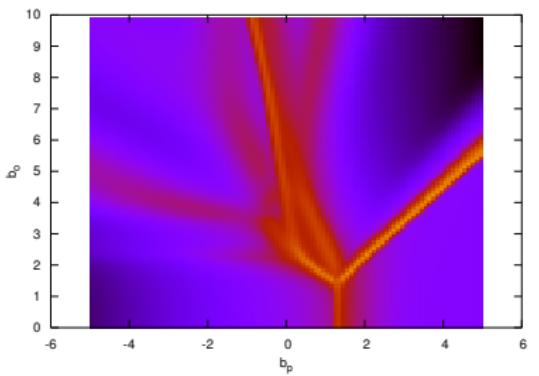


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 110$

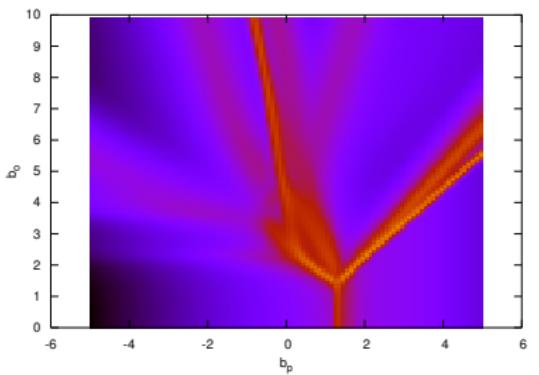


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 111$

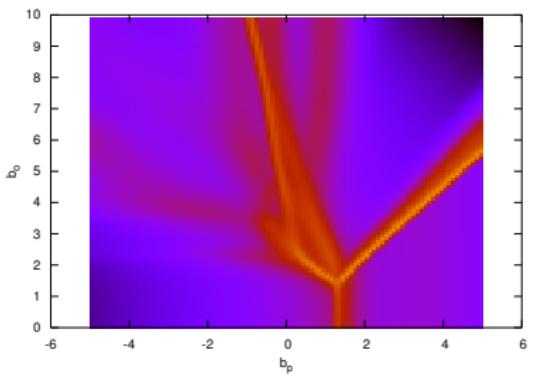


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 112$

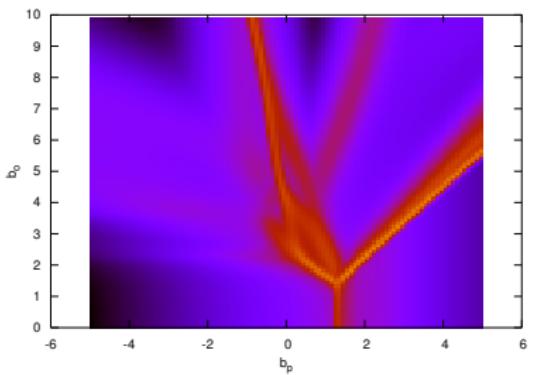


# Hydrogen-like bonding

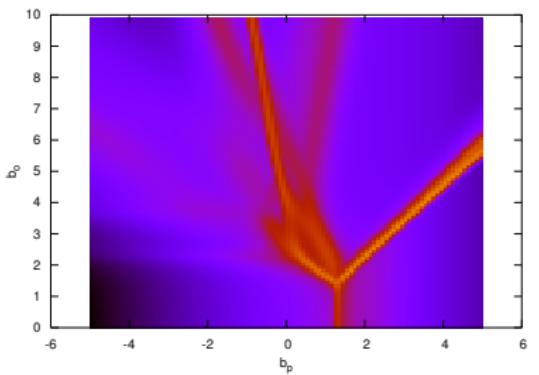
Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 113$



$n = 114$

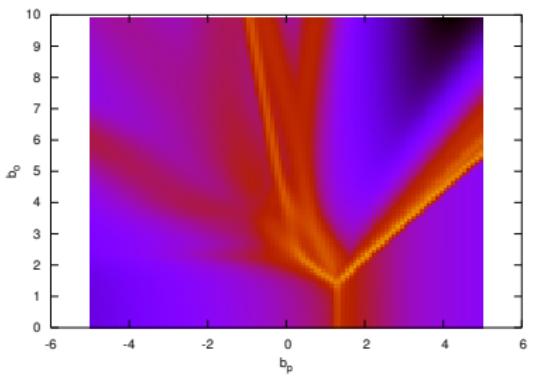


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 115$

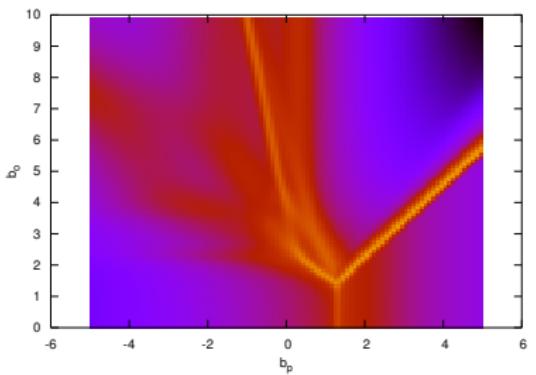


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 116$

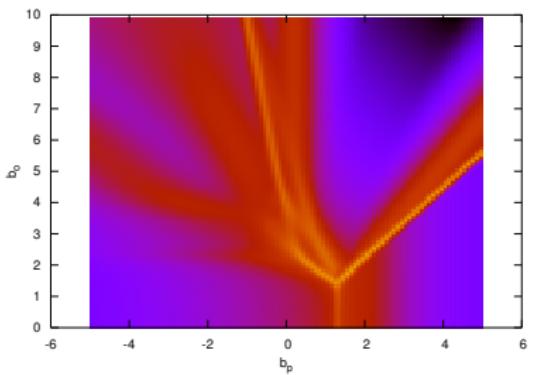


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 117$

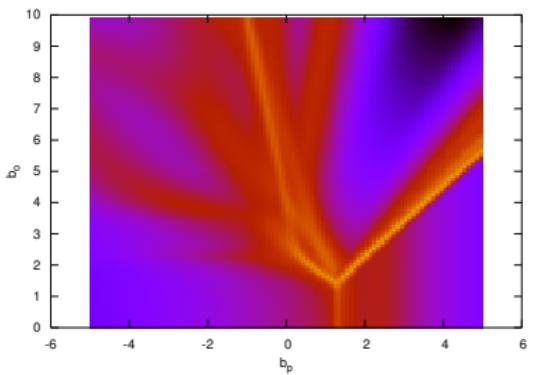


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 118$

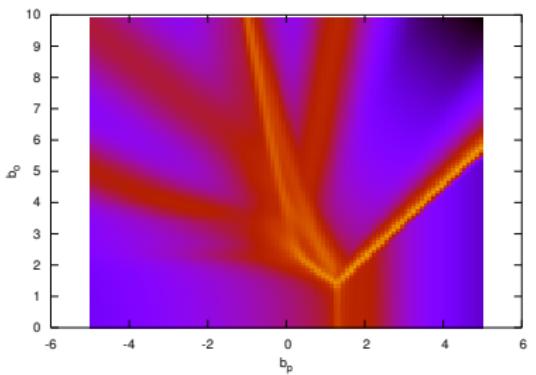


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 119$

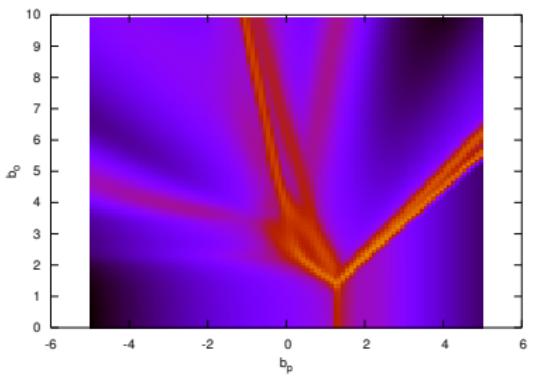


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 120$

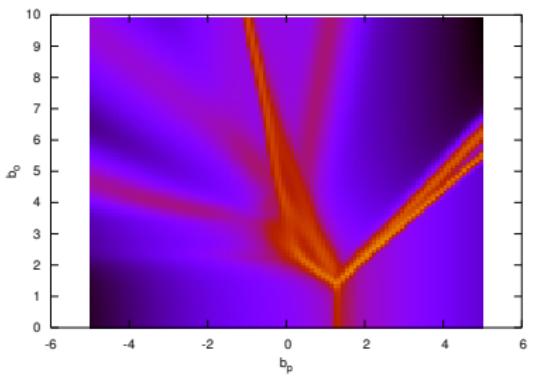


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 121$

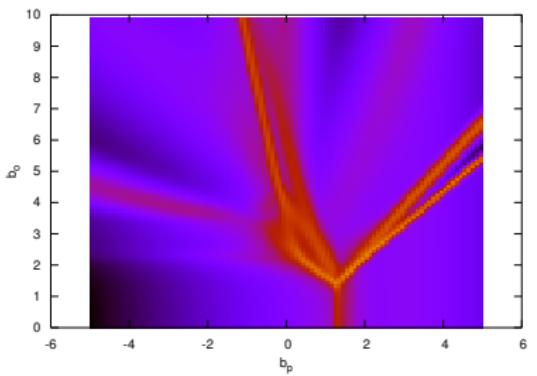


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 122$

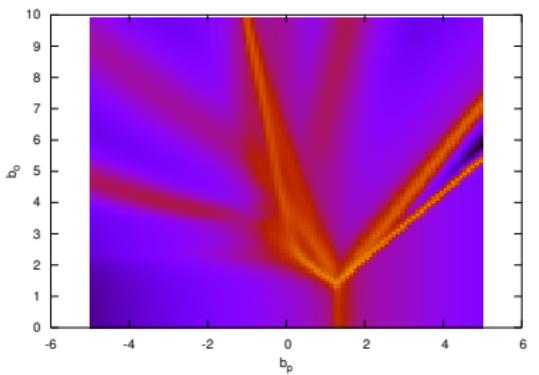


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 123$

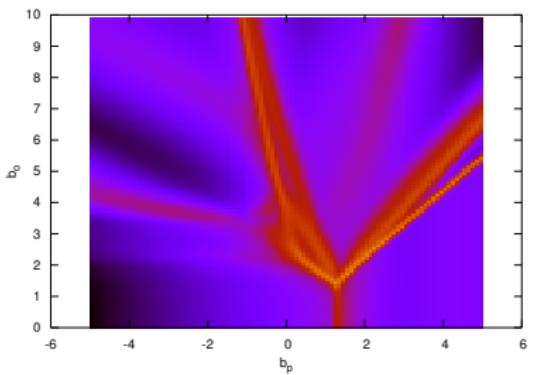


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 124$

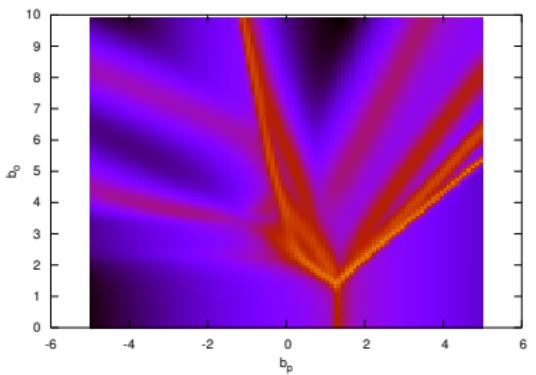


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 125$

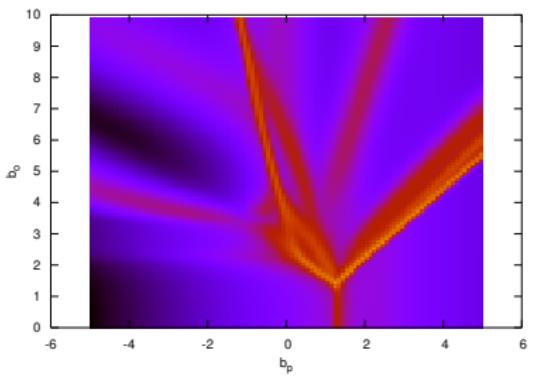


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 126$

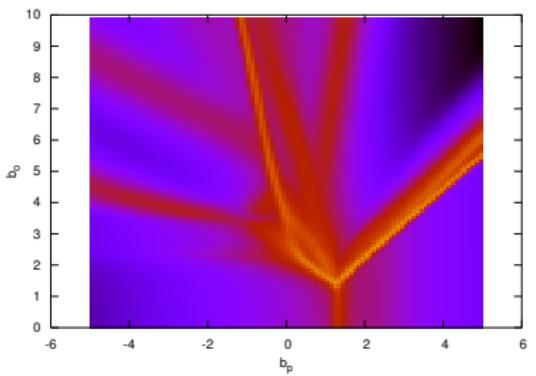


# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 127$



# Hydrogen-like bonding

Movie of  
Hydrogen-like  
Bonding

Krawczyk

$n = 128$

